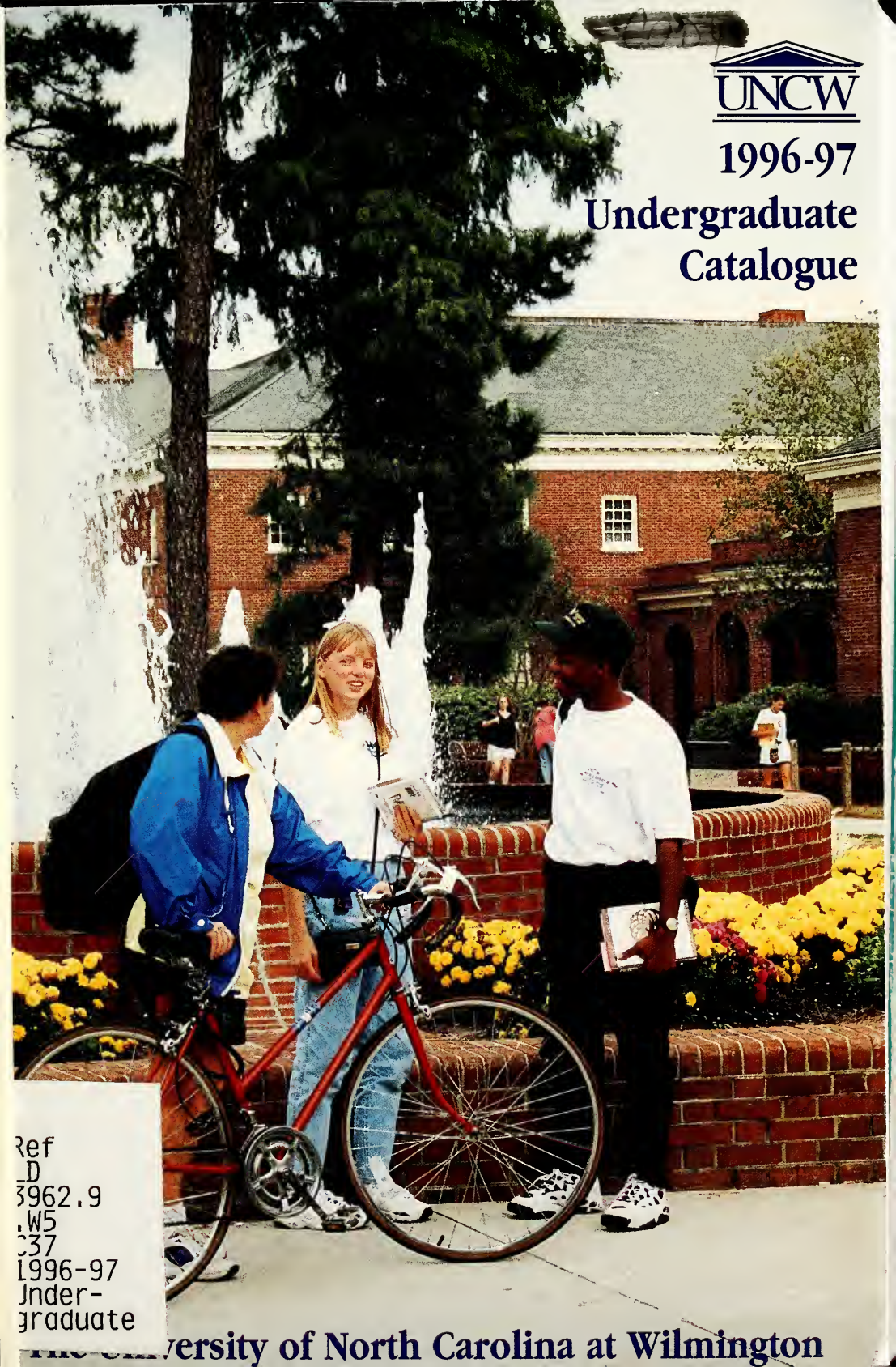

UNCW

1996-97 Undergraduate Catalogue

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The University of North Carolina at Wilmington

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The University of North Carolina at Wilmington

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Undergraduate Catalogue

1996-1997

Bulletin 48

The University of North Carolina at Wilmington is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, gender, age, or disability. Moreover, the University of North Carolina at Wilmington is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of black students.

Further, the university affirms that admissions and employment decisions will be made without regard to an individual's political affiliation, sexual orientation, or relationship to other university constituents. The university seeks to promote campus diversity by employing a larger number of minorities and females where these groups are under-utilized within the university.

Questions regarding program access should be referred to the compliance officer, UNCW Chancellor's Office, 601 S. College Road, Wilmington, NC 28403-3297, (910) 962-3835, 962-3038 (fax).

INFORMATION

Admissions	(910) 962-3243
Financial Aid	(910) 962-3177
Registrar	(910) 962-3125
University Operator	(910) 962-3000

World Wide Web Home Page: http://www.uncwil.edu

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A separate graduate catalogue is available in the Graduate School.

All provisions, regulations, degree programs, course listings, etc., in effect when this catalogue went to press are subject to revision by the appropriate governing bodies of the University of North Carolina at Wilmington.

15,000 copies of this public document were printed at a cost of $1.44 per copy (G.S. 143-170.1)

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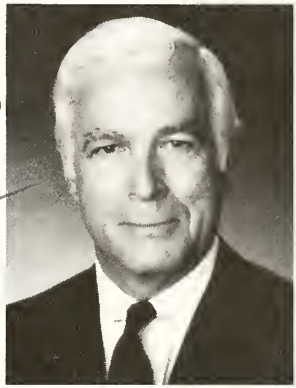

On behalf of the Board of Trustees of the University of North Carolina at Wilmington, let me extend to you a sincere welcome. By virtue of your acceptance to this university, you have already proven your ability to be successful in a competitive academic environment. As you begin your university experience at this institution, you should strive to take advantage of all the opportunities that come your way. UNCW can provide you with one of the best academic experiences you could possibly have, but it is up to you to utilize wisely your time here.

Most people will tell you that one of the most fun and rewarding times of their lives was their college experience. They will also tell you the time seemed to fly by—graduation day approached much faster than they anticipated. So my challenge to you is simply to take advantage of all that has been provided for you here at UNCW. This is a wonderful location to further your education—a beautiful campus with an excellent faculty and one of the friendliest university communities in the country.

I wish you the very best of experiences here at the University of North Carolina at Wilmington. Your best days are yet to come!

Sincerely,

Tom B Rabon Jr

Tom B. Rabon, Jr.
Chair of the Board of Trustees

As you begin your academic career at the University of North Carolina at Wilmington, you are entering a new phase of your life, one that will be devoted to rigorous pursuits of the mind and personal development. You have chosen an institution where faculty care about students and where students care about building a tradition of academic achievement. The environment of this lovely old port city will make living and studying a memorable experience.

I welcome you to this institution and challenge you to take full advantage of the opportunities for intellectual and emotional growth. Get to know your professors — debate with them, speak out in class, hear new and different ideas, learn the joy of discovery. Take advantage of cultural offerings. Become a campus leader. Get involved in politics. Enjoy an active social life. Study abroad to learn about another culture.

UNCW faculty and staff are vitally interested in your success, and are here to help you. I keep regular office hours for students, and want you to come see me if you think I can help you or if you just want to chat.

With all best wishes,

James R. Leutze

Dr. James R. Leutze
Chancellor

1996

JANUARY

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CALENDAR OF EVENTS
1996-97

Fall Semester, 1996

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

August 12, Monday	Academic Year begins
August 17, Saturday	On-campus housing opens for *new and transfer students only* 10 a.m.
August 18-20, Sunday-Tuesday	Orientation and advising
August 20, Tuesday	On-campus housing opens for returning students 10 a.m.
August 21, Wednesday	Convocation
August 22, Thursday	Classes begin
August 28, Wednesday	Last day for registration/Last day to drop a class (without a grade) or add a class
September 2, Monday	Labor Day holiday
September 12, Thursday	Faculty Meeting
September 16, Monday	Graduation application deadline—Fall 1996—undergraduate students
October 2, Wednesday	Last day to withdraw with W—undergraduate students
October 9, Wednesday	Fall vacation begins 10:30 p.m.
October 14, Monday	Fall vacation ends 8 a.m.
November 8, Friday	Last day to withdraw with W—graduate students
November 26, Tuesday	Thanksgiving vacation begins 10:30 p.m.
December 2, Monday	Thanksgiving vacation ends 8 a.m.
December 6, Friday	Last day of classes
December 7, Saturday	Commencement/Reading Day
December 9-14, Monday-Saturday	Final Examinations
December 16-17, Monday-Tuesday	Final Examinations
December 17, Tuesday	Fall semester ends
December 18, Wednesday	On-campus housing closes 10 a.m.

Spring Semester, 1997

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

January 6, Monday	On-campus housing opens for *new and transfer students only* 10 a.m.
January 6, Monday	Spring semester begins
January 6-7 Monday-Tuesday	Orientation and advising
January 7, Tuesday	On-campus housing opens for returning students 10 a.m.
January 9, Thursday	Classes begin
January 15, Wednesday	Last day for registration/Last day to drop a class (without a grade) or add a class
January 20, Monday	Martin Luther King holiday
February 17, Monday	Graduation application deadline—Spring 1997—undergraduate students
February 19, Wednesday	Last day to withdraw with W—undergraduate students

March 7, Friday	Spring vacation begins 10:30 p.m.
March 8, Saturday	On-campus housing closes 10 a.m.
March 16, Sunday	On-campus housing opens 10 a.m.
March 17, Monday	Spring vacation ends 8 a.m.
March 21, Friday	Last day to withdraw with W—graduate students
March 27, Thursday	Easter vacation begins 10:30 p.m.
March 31, Monday	Easter vacation ends 8 a.m.
April 17, Thursday	Faculty Meeting
April 30, Wednesday	Last day of classes
May 1, Thursday	Reading Day
May 2-3, Friday-Saturday	Final Examinations
May 5-10, Monday-Saturday	Final Examinations
May 10, Saturday	Spring semester ends
May 11, Sunday	On-campus housing closes 10 a.m.
May 17, Saturday	Commencement/Academic year ends

Summer Session I, 1997

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

May 25, Sunday	On-campus housing opens 10 a.m.
May 27, Tuesday	Classes begin
May 29, Thursday	Last day for registration/Last day to drop (without a grade) or add a class
June 5, Thursday	Last day to withdraw with W—undergraduate students
June 12, Thursday	Last day to withdraw with W—graduate students
June 16, Monday	Graduation application deadline—Summer 1997—undergraduate students
June 26, Thursday	Last day of classes
June 27, Friday	Final examinations/Term ends
June 28, Saturday	On-campus housing closes 10 a.m.

Summer Session II, 1997

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

June 29, Sunday	On-campus housing opens 10 a.m.
July 1, Tuesday	Classes begin
July 3, Thursday	Last day for registration/Last day to drop (without a grade) or add a class
July 4, Friday	Independence Day holiday
July 7, Monday	Last day to withdraw with W—undergraduate students
July 15, Tuesday	Last day to withdraw with W—graduate students
July 31, Thursday	Last day of classes
August 1, Friday	Final examinations/Term ends
August 2, Saturday	On-campus housing closes 10 a.m.

CALENDAR OF EVENTS
1997-98

Fall Semester, 1997

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

August 11, Monday	Academic year begins
August 16, Saturday	On-campus housing opens for *new and transfer students only* 10 a.m.
August 17-19, Sunday-Tuesday	Orientation and advising
August 19, Tuesday	On-campus housing opens for returning students 10 a.m.
August 20, Wednesday	Convocation
August 21, Thursday	Classes begin
August 27, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class
September 1, Monday	Labor Day holiday
September 11, Thursday	Faculty Meeting
September 15, Monday	Graduation application deadline—Fall 1997—undergraduate students
October 1, Wednesday	Last day to withdraw with W—undergraduate students
October 8, Wednesday	Fall vacation begins 10:30 p.m.
October 13, Monday	Fall vacation ends 8 a.m.
November 7, Friday	Last day to withdraw with W—graduate students
November 25, Tuesday	Thanksgiving vacation begins at 10:30 p.m.
December 1, Monday	Thanksgiving vacation ends at 8 a.m.
December 5, Friday	Last day of classes
December 6, Saturday	Commencement/Reading Day
December 8-13 Monday-Saturday	Final Examinations
December 15-16 Monday-Tuesday	Final Examinations
December 16, Tuesday	Fall semester ends
December 17, Wednesday	On-campus housing closes 10 a.m.

Spring Semester, 1998

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

January 6, Tuesday	On-campus housing opens for *new and transfer students only* 10 a.m.
January 6, Tuesday	Spring semester begins/Orientation and Advising
January 7, Wednesday	On-campus housing opens for returning students 10 a.m.
January 8, Thursday	Classes begin
January 15, Thursday	Last day for registration/Last day to drop (without a grade) or add a class
January 19, Monday	Martin Luther King holiday
February 16, Monday	Graduation application deadline—Spring 1998—undergraduate students
February 17, Tuesday	Last day to withdraw with W—undergraduate students

March 6, Friday	Spring vacation begins 10:30 p.m.
March 7, Saturday	On-campus housing closes 10 a.m.
March 15, Sunday	On-campus housing opens 10 a.m.
March 16, Monday	Spring vacation ends 8 a.m.
March 19, Thursday	Last day to withdraw with W—graduate students
April 9, Thursday	Easter vacation begins 10:30 p.m.
April 13, Monday	Easter vacation ends 8 a.m.
April 16, Thursday	Faculty Meeting
April 28, Tuesday	Last day of classes
April 29, Wednesday	Reading Day
April 30-May 2, Thursday-Saturday	Final Examinations
May 4-May 8, Monday-Friday	Final Examinations
May 8, Friday	Spring semester ends
May 9, Saturday	On-campus housing closes 10 a.m.
May 16, Saturday	Commencement/Academic year ends

Summer Session I, 1998

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

May 24, Sunday	On-campus housing opens 10 a.m.
May 26, Tuesday	Classes begin
May 28, Thursday	Last day for registration/Last day to drop (without a grade) or add a class
June 4, Thursday	Last day to withdraw with W—undergraduate students
June 11, Thursday	Last day to withdraw with W—graduate students
June 15, Monday	Graduation application deadline—Summer 1998—undergraduate students
June 24, Wednesday	Last day of classes
June 25, Thursday	Final examinations/Term ends
June 26, Friday	On-campus housing closes 10 a.m.

Summer Session II, 1998

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

June 28, Sunday	On-campus housing opens 10 a.m.
June 30, Tuesday	Classes begin
July 1, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class
July 3, Friday	Independence Day holiday
July 6, Monday	Last day to withdraw with W—undergraduate students
July 14, Tuesday	Last day to withdraw with W—graduate students
July 30, Thursday	Last day of classes
July 31, Friday	Final examinations/Term ends
August 1, Saturday	On-campus housing closes 10 a.m.

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James C. Edmundson, Ed.D. ..... *Coordinator for Contract Extension Programs/ Community College Liaison*

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J. Carl Dempsey, M.Ed ..... *Director of Construction*
Dan Geddie, B.S., C.P.A. ..... *Director of Financial Reporting*
William E. Vereen ..... *Director of Telecommunications*
Joseph S. Hack, B.E., M.E.A. ..... *Director of Physical Plant*

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Richard H. Mullendore, Ph.D. ..... *Associate Vice Chancellor for Student Affairs*
Judy W. Bowers, B.S.N., R.N.C. ..... *Director of Student Health and Wellness Center*
Karla C. Carney, M.S. ..... *Director of Orientation Programs*
William L. McCartney, M.A. ..... *Director of Housing and Residence Life*
Linda S. Moore, M.Ed. ..... *Director of University Union*
Rex A. Pringle, M.A. ..... *Director of Campus Recreation*
Thom D. Rakes, M.Ed. ..... *Director of Career Services Center*
Li-Shing Wang, M.A. ..... *Director of Student Life Studies*

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Patricia A. Corcoran, M.Ed. ..... *Director of Alumni Relations*
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Bolton Anthony, Ph.D. ..... *Special Assistant to the Vice Chancellor for Community Development*
Annette Coneglio Anderson, B.S. ..... *Program Director for Media and Community Relations*
Jan W. Johnson, M.A. ..... *Program Director for Adult and Continuing Education*
Nancy D. Maready, B.S. ..... *Program Director for Conference Services and Extended Education*

Anne E. Beach, M.B.A. ..... *Director of Resource Management*
Diane B. Talley, M.S. ..... *Program Director for MarineQuest and Special Projects*
Judy Thomas ..... *Program Director for Children's Academy/Youth/ Professional Development*
Hunter E. Thompson, B.S. ..... *Project Director for Distance Education*
Patricia Taylor, Ph.D. ..... *Grant Consultant*
Warren W. Gulko, Ph.D. ..... *Director, Small Business and Technology Development Center*
Leslie S. Langer, B.S. ..... *Assistant Director, Small Business and Technology Development Center*
Michael P. Bradley, M.S. ..... *Director, North Carolina Marine Trades Program*
Bruce R. Sommers, B.S. ..... *Small Business Specialist, Small Business and Technology Development Center*
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THE UNIVERSITY OF NORTH CAROLINA SIXTEEN CONSTITUENT INSTITUTIONS

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Roy Carroll, B.A., M.A., Ph.D. ..... *Vice President-Planning*
Nathan F. Simms, Jr., B.S., M.S., Ph.D. ..... *Vice President-Student Services and Special Programs*
William O. McCoy, B.S., M.S. ..... *Vice President-Finance*
Jasper D. Memory, B.S., Ph.D. ..... *Vice President-Research and Public Service*
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The University

HISTORY OF THE UNIVERSITY OF NORTH CAROLINA

Education on the college level first came to Wilmington in 1946 when a college center was established under the direction of the North Carolina College Conference and under the administration of the Directorate of Extension of the University of North Carolina at Chapel Hill.

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of the University of North Carolina. The University of North Carolina at Wilmington is one of 16 constituent institutions of the multi-campus state university. The University of North Carolina, chartered by the N.C. General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of the University of North Carolina was at Chapel Hill.

In 1877, the N.C. General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the N.C. General Assembly redefined the University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus university operated with one board of trustees and one president. By 1969, three additional campuses had joined the university through legislative action: The University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the General Assembly passed legislation bringing into the University of North Carolina the state's 10 remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created the current 16-campus university. (In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the university.)

The UNC Board of Governors is the policy-making body legally charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." It elects the president who administers the university. The 32 voting members of the Board of Governors are elected by the General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the 16 constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex-officio. (The NC School of the Arts has two additional ex-officio members.) Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

Expanded Statement of Institutional Mission

The University of North Carolina at Wilmington is a community of scholars dedicated to excellence in teaching, learning, research, artistic achievement, and service to local and global communities. It is an evolving comprehensive university of moderate size that values close relationships among students, faculty and staff in a diverse, supportive, and challenging intellectual environment.

The institution offers a wide range of undergraduate and master's degree programs, as well as a cooperative doctoral program in marine science. The university's continuing focus is on teaching, expanding basic and applied research activities, and meeting the public service needs of southeastern North Carolina.

Founded as Wilmington College in 1947, the university owes much of its development and dynamic character to its heritage and location. The student-centered philosophy of the university comes in part from its origin as a college with small classes and its pledge to continually enhance interactions between students and faculty. With growth, the focus has expanded to include graduate students, bringing increased opportunities for scholarly activities.

As the only public university in southeastern North Carolina, this institution bears a special responsibility for education and service. The university is committed to providing lifelong learning opportunities, assisting with the improvement of public school education, and enhancing the personal, cultural, and economic health of the region. Located in a historic port city, the university provides related experiences in cultural, commercial, and archaeological studies. UNCW's proximity to the Atlantic Ocean, its existing marine science programs, and its faculty expertise enhance the state's leadership in marine studies and provide an exceptional opportunity to teach and practice environmental awareness and responsibility. The Center for Marine Science Research promotes basic research in oceanography, coastal and wetland science, marine biotechnology and aquaculture, and marine biomedical and environmental physiology. A cooperative doctoral degree in marine science is offered in conjunction with master of science degree programs in marine biology. In addition to its broad commitment to preserving the resources of the coastal environment, the university is also dedicated to the preservation of conservation areas on campus that are representative of ecosystems in the region.

Quality undergraduate education is the cornerstone of the university's instructional activities. Efforts to enroll, retain and graduate students from diverse socioeconomic, geographic, and demographic backgrounds are being expanded. The university seeks to stimulate in its students intellectual curiosity, ethics, imagination, rational thinking, thoughtful expression, and a love of learning. Knowledge of the humanities, social and natural sciences, and fine arts, along with effective communication and decision-making skills are central to the curriculum. Students are encouraged to develop an understanding of their own and other cultures in order to appreciate the rich variety of thought and lifestyles that form the world in which they live. The university offers programs to help students clarify values, develop physical well-being, work independently and interdependently, and participate in university governance. The university is committed to providing each student with opportunities, resources, and guidance to achieve personal, academic, and career goals.

Excellence in teaching and creative scholarly activity are fundamental for any university. To meet the challenges that a diverse campus community brings, faculty are given increasing opportunities and resources to enhance instructional skills.

Superior teachers are recognized for their efforts and serve as role models for others in the profession. The pursuit of knowledge and understanding complements effective teaching, sustains intellectual vitality, and is an important contribution to the larger community. Research and

artistic endeavors are essential for faculty and students. The university encourages and supports scholarly work and seeks to attract energetic faculty with diverse interests and expertise. The university provides a secure intellectual, social, and physical environment conducive to achieving its mission. Freedom of thought, expression, and association are fostered and protected.

The continuing development of students, faculty, and staff, as well as the maintenance and development of academic and social programs of excellence, are ensured with funds from both public and private sources. Ongoing planning and assessment of services, programs, research, and instruction assure the productive use of resources and assets.

In its public service role, UNCW seeks to be a leader in initiating and coordinating programs that address the special needs of its service region. UNCW has served as a resource and catalyst for regional planning and development activities for more than two decades. The university continues to demonstrate its commitment to improving the quality of life in the region and state through strong partnerships with educational, governmental, cultural, health, and business communities. The Cameron School of Business Administration has established both the Center for Business and Economics Services, which provides information and consultation services to local businesses, and the Small Business Institute, which provides opportunities for field studies in local firms by teams of senior-level undergraduates. The campus also houses the Small Business Technology and Development Center which is part of a state-wide effort to assist in the development of small businesses. The Watson School of Education, through its Consortium for the Advancement of Public Education (CAPE), has created excellent professional ties with all the public school agencies in the southeastern region of the state. These ties are enhanced by the Science and Mathematics Education Center, a joint venture of the College of Arts and Sciences with the Watson School of Education. Yet the expanding and changing population of southeastern North Carolina, coupled with accelerated economic growth, places new and increased demands on the university and the region. Regional issues being addressed include responsible economic development, the increase in the retired and elderly population, and the need to reform public elementary and secondary education.

The university remains committed to planned growth, quality programs, and a strong sense of community. The evolution of the university will involve strengthening and expanding

- undergraduate education,
- marine science and marine-related activities,
- research, graduate, and professional programs,
- interdisciplinary programs,
- public service,
- international exchange programs for students and faculty,
- involvement in multicultural, social, environmental, and global issues of current and emerging importance,
- instructional and research resources, and
- campus facilities to meet educational, social, and recreational needs.

Through the activities of its students, faculty, and staff, the University of North Carolina at Wilmington seeks to educate and interact with the diverse community it reflects and serves. The university shall strive, through regular communication with regional agencies and through a continual assessment of programs, to meet the needs of southeastern North Carolina. Fulfilling this mission strengthens the position of the university within the world academic community.

THE UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

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THE UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

HISTORY AND BACKGROUND

Education on the college level first came to Wilmington in 1946 when a college center was established under the direction of the North Carolina College Conference and under the administration of the Directorate of Extension of the University of North Carolina at Chapel Hill. The center offered courses on the freshman level to some 250 students during the academic year 1946-47. In 1947, a tax levy was approved by the citizens of New Hanover County, and Wilmington College was brought into existence as a county institution under the control of the New Hanover County Board of Education. In 1948 Wilmington College was officially accredited by the North Carolina College Conference and became a member of the American Association of Junior Colleges. In 1952 the institution was accredited as a junior college by the Southern Association of Colleges and Schools.

In 1958, New Hanover County voted to place the college under the Community College Act of the state of North Carolina. By virtue of this vote, the college became a part of the state system of higher education, and control passed from the New Hanover County Board of Education to a board of 12 trustees, eight of whom were appointed locally and four of whom were appointed by the governor of the state. At the same time, the requirements for admission and graduation and the general academic standards of the college came under the supervision of the North Carolina Board of Higher Education, and the college began to receive an appropriation from the state for operating expenses in addition to the local tax.

On July 1, 1963, by an act of the General Assembly of North Carolina, Wilmington College became a senior college with a four-year curriculum, authorized to offer the bachelor's degree.

By vote of the Board of Trustees of the University of North Carolina in late 1968, with subsequent approval by the North Carolina Board of Higher Education, and by an act of the General Assembly of North Carolina in 1969, Wilmington College became, on July 1, 1969, the University of North Carolina at Wilmington. It, and the institution in Asheville previously designated as Asheville-Biltmore College, became the fifth and sixth campuses of the University of North Carolina.

On October 30, 1971, the General Assembly in special session merged, without changing their names, the remaining ten state-supported senior institutions into the university. Thus, the University of North Carolina now comprises 16 institutions.

On August 22, 1977, the Board of Governors of the University of North Carolina authorized the University of North Carolina at Wilmington to offer its first graduate programs at the master's level.

In the spring of 1985, the Board of Governors of the University of North Carolina elevated the University of North Carolina at Wilmington to a Comprehensive Level I University.

The programs offered by the university include four-year programs leading to the Bachelor of Arts and Bachelor of Science degrees within the College of Arts and Sciences, the Cameron School of Business Administration, the Watson School of Education, and the School of Nursing; graduate programs leading to the Master of Education, the Master of Science, the Master of Arts, the Master of Arts in Teaching, and the Master of Business Administration degrees; a variety of pre-professional programs, and special programs in a variety of areas, including marine science research, and continuing education.

ACADEMIC STANDING

The University of North Carolina at Wilmington is accredited by the Commission of Colleges of the Southern Association of Colleges and Schools to award degrees at the bachelor's and master's levels. The Watson School of Education is accredited by the National Council for Accreditation of Teacher Education. The School of Nursing is accredited by the National League for Nursing. The Cameron School of Business is accredited by the American Assembly of Collegiate Schools of Business. The university also holds membership in the North Carolina Association of Colleges and Universities, the American Assembly of Collegiate Schools of Business, the American Council on Education, the American Placement Council, and the Council for Advancement and Support of Education, and is on the list of schools approved by the American Chemical Society. The Parks and Recreation Management Curriculum is accredited by the National Recreation and Parks Association/American Association for Leisure and Recreation.

THE FACULTY

The university seeks to attract and maintain a faculty of outstanding individuals who are capable of contributing to the enrichment of its diverse and comprehensive instructional and research programs. Its faculty members come from all geographic sections of the United States and several foreign countries, bringing to this campus a rich variety of educational experiences, training and scholarship. Of the more than 412 instructional and research faculty, more than 67 percent hold doctoral degrees.

BOARD OF GOVERNORS' AWARDS FOR EXCELLENCE IN TEACHING

As part of its ongoing efforts to underscore the importance of teaching and to encourage, identify, recognize, reward, and support good teaching within the university, the Board of Governors in 1993 created the annual systemwide teaching awards which are designated Board of Governors' Awards for Excellence in Teaching. Sixteen awards are given annually, with one recipient selected from each of the constituent institutions. The first awards were given in the 1994-95 academic year.

Recipient

1995 Patricia A. Turrisi

BOARD OF TRUSTEES' TEACHING EXCELLENCE AWARD

The Board of Trustees of the University of North Carolina at Wilmington, in recognition of this institution's commitment to teaching excellence, has established the Board of Trustees' Teaching Excellence Award. Recipients of the award manifest excellence as a way of life and stand out among the faculty as persons who have made and continue to make a significant contribution to higher education through their dedication and service to students. The award carries with it both an honor and a responsibility: it specifies a member of the faculty as a person

of excellence and it calls upon the person so honored to share that excellence with colleagues and students.

Recipients

1978 B. Frank Hall
1979 Frank H. Allen
1980 Steve Harper
1981 Gerald H. Shinn
1982 William F. Adcock (posthumously)
1983 Betty Jo Welch
1984 Anne B. McCrary
1985 Charles Richard Ward
1986 John H. Haley
1987 Saul Bachner
1988 C. Sue Lamb
1989 W. Lee Johnston
1990 C. Sue Combs
1991 Grace M. Burton
1992 Timothy A. Ballard
1993 Faramarz "Fara" Elikai
1994 Michael D. Wentworth
1995 Kathleen S. Halme

THE UNCW AWARD FOR FACULTY SCHOLARSHIP

The UNCW Award for Faculty Scholarship is designed to underscore this institution's continuing commitment to scholarship and creative work. Recipients of the award shall stand out among the faculty as persons who have made, and continue to make, a significant contribution to the university and the academic community through their commitment to scholarship, research and creativity.

Recipients

1990 Donald F. Kapraun
1991 J. Mark Galizio
1992 John Clifford
1993 Robert B. Toplin
1994 Joan D. Willey
1995 James F. Parnell

THE FOUNDATION CHAIR

The Foundation of the University of North Carolina at Wilmington is a charitable, non-profit corporation established for the sole purpose of supporting the university. Through private donations it supports a faculty chair, designated to assist the university in its long-range efforts concerning faculty development and recruitment. The Foundation Chair, which is currently allocated to the various academic disciplines on a rotating basis, enables the university to bring to this campus renowned scholars and performing artists. In filling the chair a special effort is made to select individuals whose contributions will benefit not only the university, but also the community at large.

STATEMENT ON DIVERSITY IN THE UNIVERSITY COMMUNITY

In an effort to address the needs of the total university community, the chancellor has endorsed the following statement of principle proposed by the Human Relations Advisory Committee:

As an institution of higher learning, the University of North Carolina at Wilmington represents a rich diversity of human beings among its faculty, staff, and students and is committed to maintaining a campus environment that values that diversity.

Accordingly, the university supports policies, curricula, and co-curricular activities that encourage understanding of and appreciation for all members of its community and will not tolerate any harassment of or disrespect for persons because of age, sex, color, race, religion, creed, national origin, sexual orientation, political belief or affiliation, disability, veteran status, marital status or membership in any organization.

For more information concerning the ways that our multicultural learning community may be nurtured and protected, contact the Human Relations Committee through the offices of the Chancellor or the Dean of Students.

UNCW SEXUAL HARASSMENT POLICY

The University of North Carolina at Wilmington is committed to all students, faculty and staff being treated with dignity and respect. Sexual harassment is highly detrimental to the environment of tolerance and mutual respect that must prevail if the university is to fulfill its goals. Sexual harassment violates university policy and is illegal under state and federal law. All members of the university community have the obligation to learn what behaviors constitute sexual harassment, be responsible for their own behavior, and cooperate in creating a climate where sexual harassment is not tolerated.

Definitions:

The university defines sexual harassment as:

"Unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature when such conduct

(i) constitutes an express or implied condition to another person's academic pursuits, university employment, or participation in activities sponsored by the university or organizations or groups related to the university, or

(ii) is engaged in for the purpose of interfering with such pursuits, employment, or participation, or

(iii) creates a hostile or intimidating environment for such pursuits, employment, or participation."

What are examples of behaviors which constitute sexual harassment? Unwanted sexual attention can take many forms, including, *but not limited to*:

VERBAL: unwanted and repeated sexual remarks; offensive jokes about sexual or gender traits; sexual proposition; insults, threats or bribes; sexual innuendoes or comments about a person's body, clothing, or activities; offensive written notes or phone calls.

NON-VERBAL: leering, whistling, suggestive or insulting gestures.

PHYSICAL: unwanted touching of a sexual nature (e.g., brushing, patting, pinching, fondling); coerced sexual activity.

Any of these could be considered sexual harassment, and, depending on the situation, fit into the following categories:

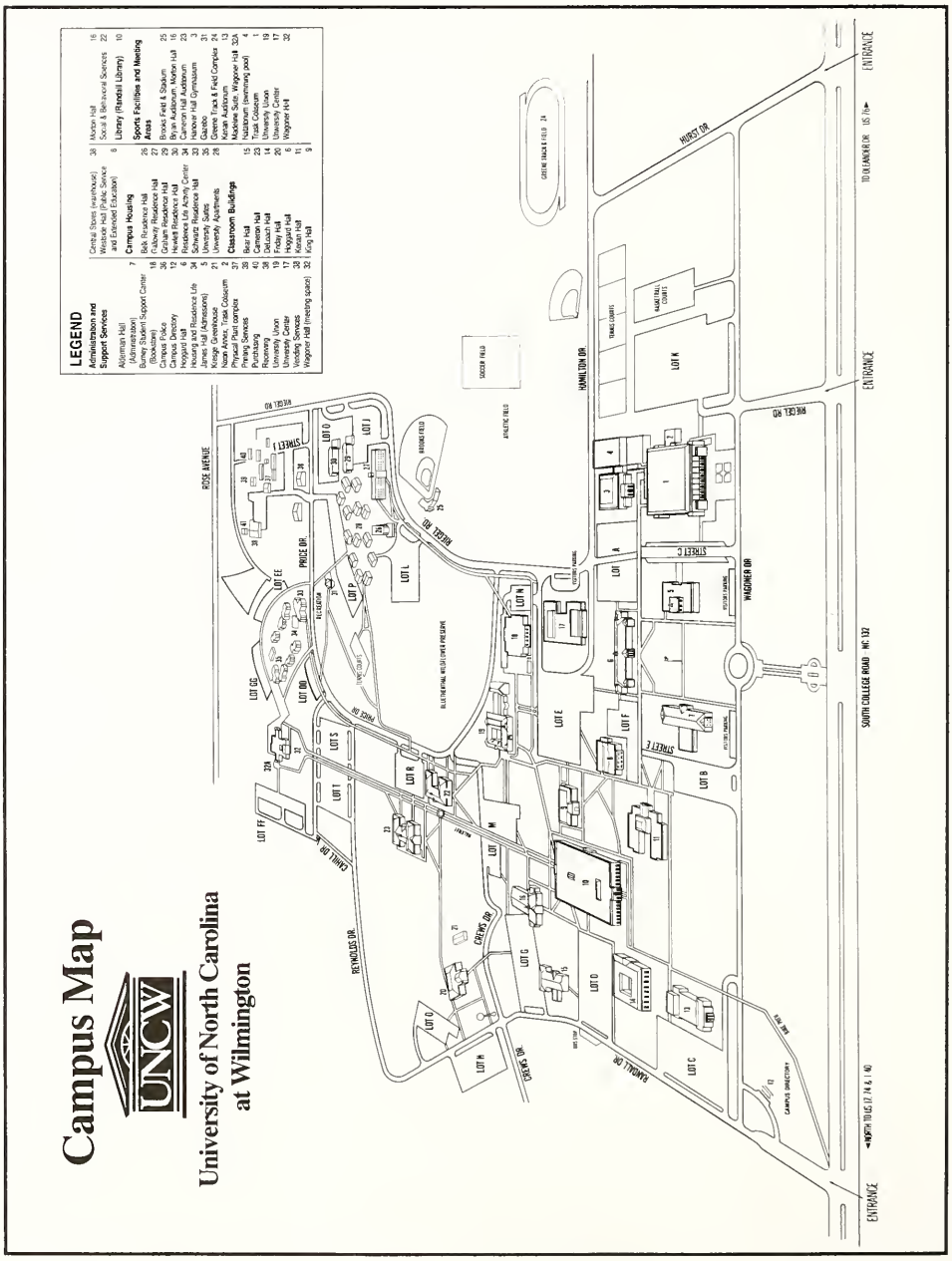
- Gender Harassment: statements or behaviors that insult or degrade another person on the basis of his or her sexuality or sexual identity; repetitive, unwelcome physical or verbal sexual advances;
- Sexual Bribery: solicitation of sexual activity by promise of reward;
- Sexual Coercion: coercion of sexual activity by threat of punishment;
- Sexual Imposition: forced, unwanted sexual activity.

In sum, sexual harassment usually takes the form of unwanted *and repeated* offenses of the type described above. Compliments, a onetime thoughtless joke, or inadvertent physical contact typically do NOT constitute sexual harassment. Individuals unclear as to whether a specific behavior is sexual harassment are encouraged to talk with the university EEO/AA officer or the dean of students.

Sexual harassment is considered a serious matter. The university suggests several mechanisms, both informal and formal, for persons to make complaints, which may include bringing the matter to the attention of university officials. However, accusations of sexual harassment have serious consequences for the accused as will as the accuser, and therefore action will be taken against anyone bringing forth frivolous or false charges.

September, 1995

The Campus


Campus Map
UNCW
University of North Carolina at Wilmington
LEGEND
Administration and Support Services
Allijerman Hall (Administration)
7
Burney Student Support Center (Bookstore)
18
Campus Police
36
Campus Directory
12
Hoggard Hall
6
Hoggard Hall Residence Life
34
James Hall (Admissions)
35
Kenan Greenhouse
21
Non Acad., Trak Coliseum
2
Physical Plant Complex
27
Pirating Services
38
Purchasing
40
Registrar
26
University Union
19
University Police
17
Universal Center
32
Vending Services
28
Wagoner Hall (meeting space)
32
Central Stores (warehouse)
38
Waldron Hall (Public Service and Extended Education)
6
Campus Housing
Belk Residence Hall
26
Flaxbury Residence Hall
27
Graham Residence Hall
28
Hewlett Residence Hall
12
Residence Life Activity Center
6
Schwartz Residence Hall
33
Underwood Suites
35
University Apartments
21
Classroom Buildings
Bear Hall
38
Cameron Hall
40
DeLoach Hall
26
Fisher Hall
19
Hoggard Hall
17
Kenan Hall
28
King Hall
32
Morton Hall
16
Social & Behavioral Sciences
22
Library (Randall Library)
10
Sports Facilities and Meeting Areas
Brooks Field & Stadium
25
Bryan Auditorium, Morton Hall
16
Cameron Hall Auditorium
23
Hanover Hall Gymnasium
3
Gaston
31
Greene Track & Field Complex
24
Kenan Auditorium
1
Marvin Kaplan Wagoner Hall
32A
Natatorium (swimming pool)
4
Trask Coliseum
1
University Union
19
University Chronicle
17
Wagoner Hall
32
ROSE AVENUE
SOUTH COLLEGE ROAD NC 132
ENTRANCE
HURST DR
HAMILTON DR
WAGONER DR
PRICE DR
REYNOLDS DR
CANAL DR
STREET C
STREET E
LOT A
LOT B
LOT C
LOT D
LOT E
LOT F
LOT G
LOT H
LOT I
LOT K
LOT L
LOT M
LOT N
LOT O
LOT P
LOT R
LOT S
LOT T
LOT GG
LOT EE
LOT FF
LOT DD
LOT CC
LOT Y
LOT Z
SOCCER FIELD
ATHLETIC FIELD
GREENE TRACK & FIELD 24
TRAK COURTS
KAPLAN HALL (WEST)
BASEBALL FIELD
BLUE TRIANGLE WILDLIFE CONSERVATORY
CAMPUS DIRECTORY
TO WILMINGTON 15 mi

CD-0032

THE CAMPUS

The University of North Carolina at Wilmington is located in the southeastern part of the state on a 661-acre tract on State Highway 132 (College Road) midway between the Cape Fear River and the Atlantic Ocean. The city of Wilmington is situated on the east bank of the Cape Fear River about 15 miles from Carolina Beach and 10 miles from Wrightsville Beach. The standard metropolitan area, of which Wilmington is a part, now has a population in excess of 118,000. Several main highways lead into the city, and commercial air service provides easy access to other metropolitan areas north, south, and west.

Ocean breezes and the nearness of the Gulf Stream give Wilmington a delightful year-round climate, and the area's proximity to the ocean provides unlimited recreational opportunities.

The spacious well-landscaped campus was first occupied by the university in 1961. The number of buildings has increased from three in 1961 to 70 today. There are several athletic fields and ample space for parking.

BUILDINGS

The buildings on the campus are of modified Georgian architecture. All academic buildings, as well as the cafeterias and residence halls, are completely air-conditioned.

Edwin A. Alderman Hall, which houses administrative offices, is named in honor of a native Wilmingtonian who served as president of the University of North Carolina, the University of Virginia and Tulane University.

Hoggard Hall, an academic building named in honor of Dr. John T. Hoggard, second president of Wilmington College, houses the School of Nursing, the Office of Computing and Information Systems, Institutional Research, Research Administration, Center for Teaching Excellence, Science and Mathematics Education Center, and faculty and staff offices.

Kenan Hall, named in honor of the late Mrs. Sarah Graham Kenan of Wilmington, is occupied by the Department of Fine Arts. It contains classrooms, faculty offices, art and music studios, the music library, an electronic music studio, dramatic workshops and the S.R.O. Theatre. It also contains an auditorium with seating capacity of approximately 100.

Will S. DeLoach Hall houses the Department of Physics and laboratories for the Department of Chemistry. It is equipped with classrooms, faculty and staff offices, teaching auditoriums, and laboratories.

Friday Hall, named in honor of UNC President Emeritus WilliamC.Friday and his wife Ida, was completed in 1974. It houses the Department of Earth Sciences and part of the Department of Biological Sciences, and contains classrooms and laboratories.

Arnold Kimsey King Hall houses the Watson School of Education and contains an auditorium with a seating capacity of 191, classrooms, faculty offices, and a curriculum laboratory.

Cameron Hall, occupied in 1988, houses the Cameron School of Business Administration.

Isaac Bear Hall, completed in 1972, and expanded in 1989 and 1995, contains the College of Arts and Sciences, and the departments of Mathematical Sciences, and Philosophy and Religion.

Morton Hall, named for Margaret Shannon Morton, was completed in October 1978 and houses the departments of English, History, and Foreign Languages and Literature. The building contains classrooms, seminar rooms, and the Bryan Auditorium which seats 200.

The Social and Behavioral Sciences Building was completed in 1980. It houses the departments of Psychology, Political Science, and Sociology and Anthropology.

The Science Building, the largest academic building, was completed in 1996 and contains the departments of Biological Sciences and Chemistry. The building contains classrooms and laboratories.

The Sarah Graham Kenan Auditorium, a gift from the Sarah Graham Kenan Foundation, has a seating capacity of 1,000 persons. The auditorium is also equipped for use as a theatre and contains seminar rooms for the Department of Fine Arts.

Hanover Hall and Trask Coliseum, the physical education complex, provide modern facilities for the athletic activities of all students, including a large playing floor with rollaway bleachers, a second athletic activity floor, offices, locker rooms and showers, and special gymnastic equipment.

The Raiford G. Trask Health and Physical Education Building provides the campus with a 6,000-seat coliseum as well as an olympic size swimming pool and a separate diving tank. Construction was completed in the fall of 1977.

The University Union is the "living room" of the university community. It houses a wide variety of services, student and administrative offices, while providing space for campus activities and meetings, Office of International Programs, and the Hawk's Nest.

The University Center, opened in 1991, provides supplementary space to the University Union operation. In the building are housed the post office, the game room, a food facility and coffee house, the Office of Human Resources and a large multi-purpose room which can be divided into as many as three smaller spaces. Areas of the multi-purpose room will be available to the university community and the community at large for meetings and conference proceedings, etc.

Hinton James Hall, named for a New Hanover County resident who was the first student to enroll at the University of North Carolina, houses the Graduate School, Office of Enrollment Affairs, Financial Aid Office, Registrar Services, Undergraduate Admissions, and Cashier.

The Burney Student Support Center opened in the summer of 1985. Centrally located adjacent to the University Union, it houses the University Bookstore, the Parking/Student ID Office, and the Department of Communication Studies.

Wagoner Hall opened in 1989, providing space for food service for students and faculty. This facility along with two other food service facilities, contains modern food service equipment which allows for many different food and catering services. It also houses a special purpose meeting and dining facility known as Madeline Suite and the offices of Student Academic Support Programs.

Westside Hall contains Student Health Services, the Student Development Center, Learning Center, Writing Place, Division for Public Service and Extended Education, and Copy Center.

The Edmond R. Galloway Residence Hall, opened in 1971, provides housing for 400 students. The Belk Residence Hall, opened in June 1976, accommodates 200 students. The 200-student residence hall, named in honor of Addison Hewlett, Jr., opened in the fall of 1978.

Another residence hall for 220 students, Frederick B. Graham Hall, was occupied in the fall of 1979. In 1981, the 400-student apartment complex was completed and occupied. Schwartz Hall opened in the fall of 1985 for an additional 160 students. Suite housing for 400 students opened in the fall of 1989.

WILLIAM MADISON RANDALL LIBRARY

The William Madison Randall Library constitutes a vital instructional and research resource of the University of North Carolina at Wilmington. Named for the president emeritus of Wilmington College, the library, recently enlarged and completely renovated, provides seating for over 950 users and will accommodate a collection of 450,000 hardbound volumes in addition to various other collections.

The library now contains over 410,000 hardbound volumes and subscribes to over 5,000 serial titles. Extensive journal backfiles are maintained in bound volumes and in microformat. A large audiovisuals collection containing resources in several formats is conveniently located on the first floor, and a 73-seat auditorium is equipped for various types of audiovisual use. Rare and unique items are housed in the Helen Hagan Rare Book Room. An online catalogue and circulation system provides easy, efficient access to most of the library's collections.

The library is a partial depository for United States government publications, and the collection now consists of over 495,000 items in hardcopy and microtext. The library is a full depository for North Carolina documents. These materials are readily available to all of the library's users. The library also houses the Curriculum Materials Center, a specialized facility designed to support the teacher education program of the Watson School of Education, and the Honors Program Office.

Maintaining a schedule of over 98 hours per week during the regular academic sessions, the library has established as its major goal the provision of an excellent program of services designed to facilitate and encourage maximum use of print and electronic informational resources.

COMPUTING SERVICES

Computing support for students is diversified and widespread across the university campus. Nine general-access microcomputer labs are operated on campus with modern PC and Macintosh equipment available in those facilities. There are also a number of departmentally operated computer labs ranging from microcomputers to workstations to parallel processing computing systems. These departmental labs are located in mathematical sciences, Cameron School of Business, chemistry and English; with smaller facilities in other departments.

The central VAXcluster operates under OpenVMS and offers access to statistical packages, word processing, spreadsheet, language compilers and electronic mail. A Cray supercomputer, located at the North Carolina Supercomputer Center in Research Triangle Park, is accessible through the campus network for appropriate and approved instructional and research activities.

The university has fiber optic cable to all buildings on campus. This enables connection to a high-speed fiber optic campus data network which provides access to the Internet, central VAXcluster, departmental LANs, and the Randall Library on-line catalog.

Each year, greater emphasis is being placed by the faculty upon student utilization of computing facilities. Every department on campus uses computing in some aspect of its daily activities. Students are expected to assimilate computing skills as an integral part of their campus life and are offered free training seminars during the fall and spring semesters. These seminars cover most of the major software applications utilized across campus, as well as general computing skills required to utilize the larger systems.

Students may establish their own VAXcluster accounts. These accounts will remain active as long as the student is enrolled at the university. All students are expected to abide by the rules and policies governing appropriate use of computing resources and facilities as stated in the UNCW Computing Resource Use Advisory.

For more information about computing at UNCW, contact Academic Computing Services, and visit our World Wide Web site at http://www.uncwil.edu.

DIVISION FOR PUBLIC SERVICE AND EXTENDED EDUCATION

The Division for Public Service and Extended Education develops outreach programs that respond to regional needs and strengthen the national and international recognition of UNCW.

Using the North Carolina Information Highway, modern telecommunications and traditional methods, the division links the expertise of faculty, staff and other professionals to a diverse audience. The division develops and implements personal and cultural enrichment opportunities for all ages; provides community service and regional development assistance; and delivers programs to educate the work force in global affairs, new technology and managerial and professional improvement.

Public Service Programs

In cooperation with other university units and community organizations, the division hosts forums, conferences and institutes that promote public awareness of issues, community leadership, technological and economic development. Many of these activities are open to the public free of charge. Through its Community Relations Initiative, the division seeks to foster public awareness and broad public discussion of the critical issues facing the city, region and state and to assist in the development of community leadership needed to address these challenges.

UNCW works with leaders in its service region to identify areas for collaboration between public service organizations and private industry. The university works with leaders of business, government and health services to further the regional benefit from the North Carolina Information Highway and seeks grant funds for economic and community development initiatives.

The Small Business Technology and Development Center (SBTDC) offers in-depth, confidential counseling to persons starting businesses and those seeking advice in various areas such as international marketing. International business development provides one-on-one counseling for small businesses in North Carolina that want to export or enter new export markets. This includes market research plans tailored to company goals, referral to private and public export resources and on-going assistance. The NC Marine Trade Program, is a statewide initiative of the Small Business and Technology Development Center that offers business assistance to the marine industry. Each year it offers Marine*Expo* Trade Show and Conference to assist marine businesses with state, national and international marketing.

The division's Distance Education Services support two fiber optic classrooms with full interactive and hypermedia capability. They are located on the UNCW campus, one in Westside Hall and the other in Randall Library. UNCW is a founding member of the Cape Fear Regional Partnership Network (CFRPN), a consortium that links UNCW with regional community colleges, high schools and a regional medical center. It is also a member of the North Carolina Research and Education Network (NC-REN), a statewide interactive video network of UNC-system institutions and medical centers. UNCW's state-of-the-art facilities also include an on-ramp to the North Carolina Information Highway (NCIH). This connection enables UNCW to broadcast or receive academic and non-academic courses and seminars statewide while simultaneously allowing faculty and students access to educational research and professional development opportunities across the state and nation. The Division for Public Service and Extended Education is currently facilitating the development of benchmark training materials to assist new sites. Other initiatives include creation of regional economic development partnerships, investigation and exploration of emerging distance education technologies and continued regional educational outreach and mentoring.

Celebrate Wilmington!, a festival of the arts, is also based in the division. Working with university and community arts organizations, this collaborative effort is designed to increase the awareness of the fine arts, including music, theater, dance, performing art, architecture historic preservation, regional history and the visual arts which reflect the multi-cultural nature of our community. *Celebrate Wilmington*! enriches and expands the appreciation of cultural heritage, creative expression in new and familiar forms and other cultural perspectives and horizons.

Several divisional programs bring to campus area elementary and middle school student groups to experience what life and study is like on a university campus. In UNCW Connection, for example, students experience a variety of activities to introduce them to higher education and encourage them to continue their education after high school graduation.

Continuing Education Programs

The Division for Public Service and Extended Education offers a wide variety of programs designed to provide both traditional and non-traditional students with continuing education opportunities for lifelong learning. Many of these programs are offered through the nationally recognized Continuing Education Unit (CEU) system for non-academic credit, which provides one CEU for every 10 hours of class time. Subjects range from the study of Russian language, creative writing and oil painting to Chinese cooking. Adult enrichment programs include the national TraveLearn program, the Adult Scholars Enrichment Series for older adults and special interest lectures. The enrichment series is an example of UNCW's recognition of the wealth of expertise and experience among employed or retired mature adults. Youth programs include the University Children's Academy (special learning activities for children ages 4-12), MarineQuest (in which students or student groups and their teachers participate in study trips to various locations concentrating on marine and environmental sciences), the SAT test preparation courses and N.C. Teen Institute (an alcohol and drug prevention program for high risk teens). Because the division is receipt-supported (that is, must raise its own money to support its activities), a fee is charged for most offerings.

Professional Development and Leadership Programs

Continuing education programs also include professional development seminars in advertising design, understanding personal computers, small business development, certified public accounting and other areas. The Summer Professional Institute focuses on topics of the day such as the Internet, Japanese culture and language, business writing, etc., and is open to all professionals. The division also designs specific professional training programs for local schools, businesses and industries in collaboration with other academic departments. University faculty and other qualified individuals provide instruction in topics such as accounting, communications, management, planning, real estate appraisal, small business administration, management and employee assistant program training. Courses for school teachers and administrators are designed to provide ongoing professional improvement or to meet certification and renewal inquiries.

The division welcomes inquiries from individuals or organizations interested in implementing a training program for their employees. The division, in collaboration with other academic departments, provides management of professional training by contracting with the business, industrial, government and educational sectors.

Through its community development initiative, the division and university serves as a catalyst for broad community discussions about the future of Wilmington. Still in its infancy, the community development initiative proposes to form an advisory committee to assist in defining specific content and focus of public programs and to identify speakers, coordinate program activities and secure resources to conduct the program.

The Adult Leadership Program furnishes opportunities for potential leaders to learn more about issues, problems, and creative solutions in our service region. Graduates usually become involved in community activities that blend their experiences and new interests by volunteering in various units at UNCW or in community agencies. Collaborating with the Watson School of Education, some in-service courses are designed for school teachers with renewal credit issued by the North Carolina Department of Public Instruction.

Extension

The division also collaborates with other academic schools to offer external degree programs, extension courses and professional development seminars. Two examples include the M.B.A. degree program, offered through the Cameron School of Business, to employees onsite at CP&L Nuclear Plant in Southport, NC, and the Onslow County Extension Program offered in Jacksonville, NC.

Conference Arrangements

Conference hosting coordination is available for external groups whose mission coincides with that of the University of North Carolina system. The division places special emphasis on recruiting non-profit groups with a training or educational purpose. Such conferences may range in size from 20 to 800 people, may be credit or non-credit in nature, and may last for one day or for several weeks. The Division for Public Service and Extended Education provides professional training by contracting with the business, industrial, government and education sectors. Examples include the North Carolina School for Alcohol and Drug Studies that brings more than 750 substance abuse professionals and educators to campus and the North Carolina Teacher Academy, one of 10 in the state, that hosts teachers and educational professionals in three one-week, intensive training sessions focusing on educational leadership topics and classroom strategies. More than 300 teachers participated last year.

The Division also provides services for conferences offered by university offices, departments or divisions. These services for internal and external groups include marketing, registration, housing accommodations and food service.

Information

Further information concerning the Division for Public Service and Extended Education or any of its activities may be obtained by contacting (910) 962-3193.

HERBERT BLUETHENTHAL MEMORIAL WILDFLOWER PRESERVE

The Herbert Bluethenthal Memorial Wildflower Preserve is a 10 acre memorial botanical garden located on the UNCW campus. Established in 1972, its purpose is to provide a place where the university community and the public can learn about and enjoy our native plants and their habitats. Many of the plants are labeled and maps and trail guides are available at the entrance.

EV-HENWOOD NATURE PRESERVE

Ev-Henwood is UNCW's coastal forest research and teaching station located in Brunswick County. It is only a short 30 minute drive from the university campus and is available for nature study and appreciation, student and faculty research, and class field trips. Included in its 110 acres are oak/hickory woods, pine forests, and low woods along the bordering Town Creek and its branches. Additional habitats such as ponds and fields are available nearby.

Admissions

ADMISSIONS

The University of North Carolina at Wilmington seeks to admit students with the intellectual ability to perform successfully in the collegiate community. Students must have the motivation and the determination to avail themselves of the learning experiences that will be beneficial to them if they are to attain both academic and personal enrichment. As a state-supported institution, the university is aware of its obligation to provide an educational opportunity to all qualified applicants who will benefit from the program of study offered on the Wilmington campus.

Applicants may apply to enter the university at the beginning of the fall or spring semester and at the beginning of each summer term. The academic qualifications of each applicant are carefully reviewed by admissions personnel in a conscientious effort to admit students who have the potential for further academic achievement and growth. The university does honor the College Board Application Fee Waiver form if properly signed.

Overenrollment or state budgetary constraints may require the restriction of admissions during a given year. This may require the adjustment of minimum requirements or the establishment of earlier application deadlines. Out-of-state freshman applicants are encouraged to apply prior to December 1 for fall admission. THE UNIVERSITY RESERVES THE RIGHT TO ADJUST APPLICATION DEADLINES ACCORDING TO ENROLLMENT NEEDS.

An immunization record for each admitted UNCW student is required by law to be on file at UNCW prior to registration. **The university reserves the right to cancel admission offers to students whose tuition deposits or immunization records are not received at UNCW by the tuition deposit deadline date.**

Students who do not enroll in the term for which they were admitted will have the offer of admission canceled. A written request for consideration for a different term must be sent to the Office of Admissions by the application deadline date for that term.

Any exception to university admissions requirements must be approved by the Office of the Vice Chancellor for Academic Affairs.

Any student who supplies false or misleading information or who conceals pertinent facts in order to enroll in the University of North Carolina at Wilmington will be subject to immediate dismissal from the university.

APPLICATION DATES

A. For Freshman for Summer and Fall, 1997

1. Applications are processed on a rolling basis until enrollment goals are met. Early applications are encouraged.
2. A non-refundable $100.00 tuition deposit is required on or before May 15 from all admittees intending to enroll at UNCW in the fall 1997.

B. For Transfer Applicants for Summer and Fall, 1997

1. Apply by March 15; Decision mailed by April 15.
2. Tuition deposit required on or before May 15.

C. For Former Re-Enrolling Students for Fall, 1997

1. Apply by May 1; Decision by June 30; rolling basis.
2. No tuition deposit required.

D. For All Spring (January) Semester Applicants, 1997

1. Apply by December 1, applications will be processed on a rolling basis.
2. Tuition deposit due December 30.

3. *There are limited openings for spring semester admission.*
4. Re-enrolling students who were in academic difficulty when they left, may not apply for Spring semester re-entry.

E. For Permission (Visitor) Students for Summer I and Summer II, 1997

Summer Session I Apply prior to May 1; decisions on rolling basis
Summer Session II Apply prior to June 1; decisions on rolling basis
No tuition deposit required from Permission/Visitor Students.

ADMISSIONS—FRESHMEN

The minimum freshman requirements for consideration for admission to the University of North Carolina at Wilmington are:

(1) Graduation from an approved or accredited high school, or a GED certificate**.
(2) A satisfactory score on the Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT).
(3) An overall "C" average on all work attempted in grades 9-12.
(4) *Four (4) course units in English*, emphasizing grammar, composition, and literature;
Three (3) course units in mathematics, including:
–algebra I
–algebra II, and
–geometry, or a higher level mathematics course for which algebra II is a prerequisite
Two (2) course units in social studies, including:
one unit in U.S. History ***
Three (3) course units in science, including:
one (1) unit in a life or biological science (for example, biology)
one (1) unit in a physical science (for example, physical science, chemistry, physics)
one (1) laboratory course.
**Two (2) course units in one foreign language*
*Students who meet all minimum requirements except foreign language will be accepted with a deficiency and will be required to complete a foreign language sequence of 101 and/or 102, or 120 before they may graduate with the baccalaureate degree from UNCW.
**GED candidates must have been out of school two full years since their class graduated. Any GED candidate whose high school class graduated in 1990 or later is not eligible for freshman admissions.
***Students who do not have 1 unit in U.S. history may be admitted with a history deficiency to be made up by the end of the sophomore year at UNCW.

Application Procedure for Freshmen

Applicants are required to comply with the following:

1. Submit a completed application form by the deadline date. A $35.00 NON-REFUNDABLE application fee must accompany the application.

2. Have the secondary school officials submit an official transcript of secondary school work or GED. The transcript must be sent directly to the Office of Admissions, The University of North Carolina at Wilmington, Wilmington, North Carolina 28403-3297.

3. Take the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the ACT of the American College Testing Program. Because of deadlines for filing application to take the tests, arrangements must be made well in advance of the testing date so that the application is received by the testing company in time. Applicants are accepted to UNCW on the basis of their junior or senior SAT or ACT scores. For information about the SAT, contact the secondary school guidance counselor or write or call College Board ATP, P. O. Box 592, Princeton,

New Jersey 08540, (609) 771-7600. Students who live in the Western, Southwestern or Pacific Coast states should write or call College Board ATP, P. O. Box 1025, Berkeley, California 94701, (415) 849-0950. For information about the American College Testing Program, write The College Testing Program, Program Services Department, P.O.Box 168, Iowa City, Iowa 52243.

It is important that the high school transcript, or GED, and test scores reach the university by the application deadline date so that all matters relating to the application may be complete before the opening of the semester in which the student expects to enroll.

4. Out-of-state freshmen applicants are encouraged to apply by December 1.

ADMISSIONS—TRANSFER STUDENTS

Students wishing to transfer to the University of North Carolina at Wilmington from another institution must meet the following requirements for admission: (1) must be eligible to return to the institution last attended and (2) must have attained at least a C" average (2.00 on 4.00 system) based on all transfer courses attempted and on all transferable courses at all institutions attended. Students seeking admission by transfer of credits are required to have all transcripts of previous college or university work forwarded to the Office of Admissions by the registrar of each institution they have attended. Even though no transfer of credit may be involved, all previous college or university work must be certified by transcripts or records of attendance. An official high school transcript or GED must also be submitted. Transfer courses will not be accepted from non-accredited schools, nor from business, trade, vocational or technical schools, except by previous contractual agreement with UNCW. Prior to admission, the transfer applicant must have successfully completed one year of freshman-level English and one unit of college-level mathematics. One unit of life science is recommended before transfer.

Any student whose high school class graduated in 1990 or beyond must have completed the following high school requirements:

- **Four (4) units of English**
- **Three (3) units of mathematics (including algebra I, geometry and algebra II or a higher level math for which algebra II is a prerequisite)**
- **Two (2) units of social studies (including one unit of U.S. history)**
- **Three (3) units of science (including a unit of life or biological science and a unit of physical science: at least one laboratory course)**

If you did not complete the above requirements in high school, or received a GED in 1990 or later, you may apply to transfer after you complete a minimum of 24 semester hours with an overall "C" average (2.00 on a 4.00 scale). You must have completed the following:

- **Six (6) semester hours of freshman composition**
- **Six (6) semester hours of college level mathematics**
- **Six (6) semester hours of science**
- **Six (6) semester hours of social science**

Application Procedure for Transfer Students

Students wishing to transfer are required to comply with the following procedures:

1. Submit a completed application form by the application deadline date. A $35.00 NON-REFUNDABLE application fee must accompany the application.
2. Submit a completed university questionnaire. This questionnaire is included in the transfer admissions packet.
3. Have an official transcript from each college or university attended, including summer school, submitted. It is the applicant's responsibility to request that the Registrar of each institution attended send an official transcript directly to the Office of Admissions by the application deadline date.

4. Have an official high school transcript or GED, including test scores, sent to the Office of Admissions by the application deadline date.

Official credit evaluation of transcripts will be done after admission when tuition deposit or confirmation card is received from student.

ADMISSIONS—NURSING, BUSINESS ADMINISTRATION, EDUCATION

Admission to the Bachelor of Science degree programs in Nursing or Business Administration, and the Bachelor of Arts degree program in Education requires application to and acceptance by the School of Nursing, Cameron School of Business Administration, or Watson School of Education in addition to acceptance by the university.

ADMISSIONS—FORMER STUDENT (Re-enrolling)

Former UNCW students who have been away from the university for at least two consecutive semesters and wish to return to the university must apply to the Office of Admissions for readmission prior to May 1 for the fall semester or December 1 for the spring semester. A $35.00 NON-REFUNDABLE application fee must accompany the application.

Those who have attended another college or university since their last enrollment at UNCW are required to submit official transcripts from such institutions before they can be considered for readmission. **A "C" average (2.00 out of 4.00 system) must have been attained on all work from other institutions attended.** Any student who leaves the university and does not register for at least two full semesters must apply for readmission by the application deadline date. A $35.00 NON-REFUNDABLE application fee must accompany the application. Any student who leaves the university and does not register for only one semester need not apply for re-admission.

Re-enrolling students who have been academically ineligible two or more times are eligible to return <u>only</u> during summer session(s). Re-enrolling students who have been on academic warning or declared ineligible one time are eligible to enroll for summer and fall semester only after the dismissal period has expired if space is available.

The Three-year Rule

Any UNCW degree student who has been out of school for at least three years and has not attended any other institution since leaving UNCW may be eligible to re-enter under the three-year rule. The three-year rule is available only for students who have less than a 2.00 grade point average.

Any former student of an accredited college or university who has not attended school for at least three years may also be eligible to enter UNCW under the three-year rule.

The student who elects to have the three-year rule applied will have neither a quality point deficit to overcome, nor hours of credit for those courses in which "D" grades were attained. Only courses in which a grade of "C" or better was earned will be counted toward graduation. Nevertheless, this option will not alter the student's original academic record.

The quality point average will begin at the time studies are resumed, and the student will be required to earn a "C" average on a semester basis to be eligible to continue. Each summer session counts as a semester. Degree requirements will be those in effect at the time the student re-enrolls.

The three-year rule option must be exercised at the time the student applies for admission to the university. Once exercised, it may not later be reversed. The three-year rule option may be exercised one time only.

ADMISSIONS—SPECIAL UNDERGRADUATE STUDENTS

Any individual who already possesses a degree from a four-year accredited college and wishes to enroll for an undergraduate course at UNCW or any individual with a degree who wishes to work toward a second baccalaureate degree must apply to the Office of Admissions before the application deadline date. An official transcript from the degree-granting institution must be sent from that institution to the Office of Admissions by the deadline date. Second degree candidates must have transcripts from all colleges attended submitted by application deadline date.

ADMISSIONS—PERMISSION/VISITING STUDENTS

During the summer sessions, students from other accredited colleges or universities may be admitted as visitors by using the "Summer Visitor" application. The university assumes no responsibility in determining a student's course selection when such credits are to be transferred elsewhere. Summer visitor applications and schedules are available by February of each year from the Office of Academic Affairs or the Admissions Office. Enrollment by permission from another institution in no way obligates the university to continue one's enrollment at UNCW after the expiration of the permission period. A student may not continue to attend as a permission/visitor student beyond two consecutive summer sessions. To apply for fall or spring semester visitor status, transfer requirements must be met. Application deadline dates apply for permission/visiting students. Transcripts of work completed at UNCW must be requested through the Registrar's Office to assure a record of academic work is sent to the home institution of permission and summer visiting students.

ADMISSIONS—SPECIAL HIGH SCHOOL STUDENTS

Selected high school seniors who wish to pursue an academic program on the collegiate level while attending high school may enroll at UNCW if they meet the qualifications for participation in this program. Because of distance, this program is available primarily to students in the Wilmington area. Special applications for admission are available in the office of the high school counselor. Students may enter this program at the beginning of the fall, spring or summer terms. Application deadline dates must be honored.

ADMISSIONS—INTERNATIONAL STUDENTS

The University of North Carolina at Wilmington welcomes interest and inquiry from international students. In addition to meeting regular freshman or transfer academic admission requirements, international students must present evidence of their ability to speak, read, and write the English language and to meet fully the financial obligations associated with their study at the university. Students from foreign countries must present the results of the TOEFL examination (Test of English as a Foreign Language) as a part of their application for admission, if English is not their native language. A financial responsibility statement and proof of accident and hospital insurance must be submitted. All materials for admission consideration must be in the Office of Admissions as least three (3) months prior to the date of registration for the entering semester or term. International visiting and exchange students will be advised by the Office of International Programs. It is recommended that international students plan to begin their studies in a fall semester.

ADMISSIONS—SENIOR CITIZENS

Residents of North Carolina age 65 or older who meet applicable admission requirements may enroll tuition free on a space-available basis. Students who wish to enroll under the provisions of this law should document their senior citizen status at the time of registration. The availability of class space cannot be determined until the late registration period each term.

ADMISSIONS—AUDIT STUDENTS

Students who wish to take courses without receiving credit should apply to the Office of the Registrar immediately after the semester registration date. Audit students are admitted on a "space-available" basis.

ADMISSIONS—GRADUATE STUDENTS

All inquiries concerning admission to graduate programs should be directed to the Graduate School. Admissions requirements are stated in the Graduate Catalogue.

NONDISCRIMINATION POLICY

UNCW is dedicated to equality of opportunity within its community. Accordingly, UNCW does not practice nor condone discrimination in any form against students, employees, or applicants on the grounds of race, color, national origin, religion, sex, age, handicap or veteran status. UNCW commits itself to positive action to secure equal opportunity regardless of those characteristics. For additional information, contact the Federal Compliance Officer.

SAFETY AND HEALTH PROGRAM

UNCW's safety program complies with the State Occupational Safety and Health Act of 1973.

Expenses

EXPENSES

The Board of Governors of the university reserves the right to change the charges for tuition, fees and the room and board rate at any time without prior notice.

TUITION AND FEES (In effect at time of publication)

All charges for tuition and regular fees are due and payable on or before the day of registration. Checks and money orders should be made payable to the University of North Carolina at Wilmington.

Full-Time Charges Per Semester (12 or more semester hours):

	In-State Students	Out-of-State Students*
Tuition	$420	$3,841
Mandatory Fees	412	412
Total	$832	$4,253

The following student activities fees are included in the full-time tuition and fee amount per semester:

Technology	$ 30.00	$ 30.00
Student Support	7.50	7.50
Athletic Fee	131.50	131.50
Health Services	55.00	55.00
SGA	19.50	19.50
Media	3.00	3.00
University Union	57.00	57.00
Campus Recreation	19.00	19.00
Postal	4.00	4.00
Physical Activities	32.00	32.00
Cultural Events	5.00	5.00
University Union Facilities–Debt	38.50	38.50
Physical Education Facilities–Debt	10.00	10.00
Total	$412.00	$412.00

Undergraduate students registering for 12 or more semester hours will be charged at the full-time rate as shown above. Students scheduling fewer than 12 semester hours will pay tuition and fees as follows:

Semester Hours Scheduled	In-State Students	Out-of-State Students*
1-5	$175	$1,030
6-8	421	2,132
9-11	727	3,293

*See information on residency at the end of this section

Other fees:

Application Fee (to accompany application, nonrefundable)		$ 35.00
Graduation Fee		50.00
Parking Fee (Per Year)		80.00
*Remedial Course Fee	In-State	55.00
	Out-of-State	432.00

*This course is offered on campus through Cape Fear Community College (CFCC). Consequently, all students taking this course are required to pay tuition, fees, and charges as established by CFCC in addition to charges established by UNCW. UNCW collects these additional charges from the student and remits the amounts collected to CFCC.

No degree, diploma, transcript of credit, or grades will be furnished a student until all financial obligations to the university, other than student loans, have been paid. All previously incurred expenses and accounts at the university must be paid in full prior to preregistration or registration for a new term.

Orientation

All new UNCW freshmen, transfers, unclassified, and extension students must pay a one-time orientation fee. For the students who attend summer orientation, the fee must be paid in advance to reserve a place in the program.

TUITION SURCHARGE

Effective fall 1994, all new undergraduates seeking a baccalaureate degree at the University of North Carolina at Wilmington will be subject to a 25% tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110% of the required credit hours to complete an officially designated five-year program.

Counted Credit Hours

The undergraduate credit hours to be counted for this requirement include: (1) all regular session degree-creditable courses taken at UNCW, including repeated courses, failed courses, withdrawals, and those dropped after the last date to add a course; and (2) all transfer credit hours accepted by UNCW. However, this calculation excludes the following credit hours: (1) those earned through the College Board's Advanced Placement (AP) and College Level Examination Program (CLEP) or similar programs; (2) those earned through institutional advanced placement, course validation, or any similar procedure for awarding course credit; and (3) those earned through the summer session or degree-credit extension division at UNCW or at another UNC institution.

Students Subject to the Surcharge

The surcharge shall be imposed on all counted credit hours in excess of the threshold defined below for each of the following three categories of undergraduates:

1. For students earning a first baccalaureate degree in a program that requires no more than 128 credit hours, the surcharge shall be applied to all counted credit hours in excess of 140.
2. For students earning a first baccalaureate degree in a Board-approved program that requires more than 128 counted credit hours, the surcharge shall be applied to all credit hours that exceed 110% of the credit hours required for the degree. Such programs include those that have been officially designated by the Board of Governors as five-year programs, as well as those involving double majors or combined bachelor's/master's degrees.

3. For students earning a baccalaureate degree other than the first, the surcharge shall be applied to all counted credit hours that exceed 110% of the minimum additional credit hours needed to earn the additional baccalaureate degree.

Students Exempt from the Surcharge

The surcharge shall not be imposed on undergraduates who:

1. Complete a first baccalaureate degree program that has not been officially designated by the Board of Governors as a five-year program and whose counted credit hours were earned in eight or fewer regular term semesters or the equivalent; or
2. Complete a first baccalaureate degree program that has been officially designated by the Board of Governors as a five-year program and take their counted credit hours in 10 or fewer regular term semesters or the equivalent.

Calculation of the Surcharge

The surcharge shall be imposed on tuition charged in the current semester and in subsequent semesters where a student's cumulative credit hour total—including that semester's courseload--exceeds the threshold. The surcharge does not apply to required fees.

ON-CAMPUS LIVING

The university has residence hall facilities for approximately 2,000 students in five modern, conveniently located residence halls, 13 apartment buildings, and seven suite-style buildings.

All rooms are air-conditioned and furnished, and laundry facilities are available. Residence hall, apartment and suite students are required to participated in the university dining hall program under one of the three meal plans. The university operates a modern, air-conditioned cafeteria building. Short-order food service is available in the Hawk's Nest located in the University Union, in the Center Stage Cafe located in the University Center, specializing in pizza and subs, and the convenience store located in apartment building M. Service is on a cash basis for non-boarding students. The Housing and Food Service operations are closed during Thanksgiving, Christmas, and spring breaks.

Meal Plan Options

A meal plan is required for all students living on campus. The options available are listed below. The student identification card also serves as the student meal card and must be presented at every meal. Student meal cards are not transferable to another student or guests.

1996-97 SEMESTER BOARD RATES

Plan A: 9 meals and $100.00 declining balance = $780.00

Any 9 meals during the seven day week at Wagoner Dining Hall plus a $100 declining balance (for the semester) that can be used at the Hawk's Nest, convenience store, Center Stage Cafe, ITZA PIZZA, or for guests at Wagoner Dining Hall. Additional cash may be added to the card at the student's discretion.

Plan B: 14 meals per week and $100 declining balance = $850.00

Any 14 meals during the seven-day week at Wagoner Dining Hall plus a $100 declining balance (for the semester) that can be used at the Hawk's Nest, Seahawk station, Center Stage Cafe, ITZA Pizza of for guests at Wagoner Dining Hall. Additional cash may be added to the card at the student's discretion.

Plan C: 19 meals per week = $850.00

Allows you to eat 19 meals per week, three meals a day Monday through Friday, brunch and dinner on Saturday and Sunday. A $2 transferability will allow students to use the meal card at the Hawk's Nest or Center Stage Cafe for lunch

Monday through Friday. Students may opt to add cash for ($25 minimum) that can be used the Hawk's Nest, convenience store, Center Stage Cafe, ITZA PIZZA or for guests at Wagoner Dining Hall.

1996-1997 SEMESTER ROOM AND BOARD RATES

Room rate includes rent, utilities, local phone service, cable TV, housekeeping (except apartments) and security.

Belk, Graham, Hewlett and Schwartz	
with 9-meal plan	$1,830
with 14-meal plan	$1,900
with 19-meal plan	$1,900
Apartment	
with 9-meal plan	$2,080
with 14-meal plan	$2,150
with 19-meal plan	$2,150
Double Suite	
with 9-meal plan	$1,960
with 14-meal plan	$2,030
with 19-meal plan	$2,030
Single Suite	
with 9-meal plan	$2,080
with 14-meal plan	$2,150
with 19-meal plan	$2,150

This contract is for the full academic year consisting of both fall and spring semesters.

The university reserves the right to change the on-campus living rate at any time without prior notice. An advance room reservation deposit of $100 to be applied to the room and board account, must be remitted by each applicant, along with the complete application for room and board.

Those interested in obtaining information should contact:

The Housing and Residence Life Office
The University of North Carolina at Wilmington
601 South College Road
Wilmington, North Carolina 28403-3297
Telephone (910) 962-3178

SUMMER SESSION

Summer session tuition, fees, refund policy, and room and board rates will be announced in the Summer Session Bulletin.

REFUNDS—TUITION AND FEES

A student who officially withdraws from the university on or before the last day of the registration (Drop/Add) period will receive a refund of the amount paid.

Students withdrawing from the university after the Drop/Add period will be charged ten (10) percent of all semester charges for each week of classes that have been held that semester. This weekly charge begins with the first day of scheduled classes regardless of the actual date of enrollment.

No refunds will be made for withdrawals after the end of the ninth week of scheduled classes.

This refund policy applies to complete withdrawals from UNCW. If you simply reduce your course load after the Drop/Add period, you will receive **NO** refund or reduction of fees whatsoever.

REFUNDS—ROOM AND BOARD

A student who officially withdraws from the university on or before the scheduled residence hall opening date will receive a refund of the amount paid.

Students withdrawing from the university after the scheduled residence hall opening date will be charged ten (10) percent per week for room and board charges for the first 10 weeks of the semester. Declining balance portions of board plans will be refunded separately. No refunds will be made for withdrawals after the first 10 weeks.

This refund policy applies to complete withdrawals from UNCW.

RESIDENCE STATUS FOR TUITION PURPOSES

The basis for determining the appropriate tuition charge rests upon whether a student is a resident or a nonresident for tuition purposes. Each student must make a statement as to the length of his or her residence in North Carolina, with assessment by the institution of that statement to be conditioned by the following:

Residence. To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least 12 months immediately prior to classification. Thus, there is a distinction between legal residence and residence for tuition purposes. Furthermore, 12 months legal residence means more than simple abode in North Carolina. In particular it means maintaining a domicile (permanent home of indefinite duration) as opposed to maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education." The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant for such classification, who must show his or her entitlement by the preponderance (the greater part) of the residentiary information.

Initiative. Being classified a resident for tuition purposes is contingent on the student's seeking such status and providing all information that the institution may require in making the determination.

Parent's Domicile. If an individual, irrespective of age, has living parent(s) or court-appointed guardian of the person, the domicile of such parent(s) or guardian is, prima facie, the domicile of the individual; but this prima facie evidence of the individual's domicile may or may not be sustained by other information. Further, nondomiciliary status of parents is not deemed prima facie evidence of the applicant child's status if the applicant has lived (though not necessarily legally resided) in North Carolina for the five years preceding enrollment or re-registration.

Effect of Marriage. Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstances insure that a person will become or continue to be a resident for tuition purposes. Marriage and the legal residence of one's spouse are, however, relevant information in determining residentiary intent.

Furthermore, if both husband and his wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the 12-month requirement for in-state tuition status.

Military Personnel. A North Carolinian who serves outside the State in the armed forces does not lose North Carolina domicile simply by reason of such service. And students from the military may prove retention or establishment of residence by reference, as in other cases, to residentiary acts accompanied by residentiary intent.

In addition, a separate North Carolina statute affords tuition rate benefits to certain military personnel and their dependents even though not qualifying for the in-state tuition rate by reason of 12 months' legal residence in North Carolina. Members of the armed services, while stationed in and concurrently living in North Carolina, may be charged a tuition rate lower than the out-of-state tuition rate to the extent that the total of entitlements for application tuition costs available from the federal government, plus certain amounts based under a statutory formula upon the in-state tuition rate, is a sum less than the out-of-state tuition rate for the pertinent

enrollment. A dependent relative of a service member stationed in North Carolina is eligible to be charged the in-state tuition rate while the dependent relative is living in North Carolina with the service member and if the dependent relative has met any requirement of the Selective Service System applicable to the dependent relative. These tuition benefits may be enjoyed only if the applicable requirements for admission have been met; these benefits alone do not provide the basis for receiving those derivative benefits under the provisions of the residence classification statute reviewed elsewhere in this summary.

Grace Period. If a person (1) has been a bona fide legal resident, (2) has consequently been classified a resident for tuition purposes, and (3) has subsequently lost North Carolina legal residence while enrolled as a public institution of higher education, that person may continue to enjoy the in-state tuition rate for a grace period of 12 months measured from the date on which North Carolina legal residence was lost. If the 12 months ends during an academic term for which the person is enrolled at a state institution of higher education, the grace period extends, in addition, to the end of that term. The fact of marriage to one who continues domicile outside North Carolina does not by itself cause loss of legal residence, marking the beginning of the grace period.

Minors. Minors (persons under 18 years of age) usually have the domicile of their parents, but certain special cases are recognized by the residence classification statute in determining residence for tuition purposes.

(a) If a minor's parents live apart, the minor's domicile is deemed to be North Carolina for the time period(s) that either parent, as a North Carolina legal resident, may claim and does claim the minor as a tax dependent, even if other law or judicial act assigns the minor's domicile outside North Carolina. A minor thus deemed to be a legal resident will not, upon achieving majority before enrolling at an institution of higher education, lose North Carolina legal residence if that person (1) upon becoming an adult acts, to the extent that the person's degree of actual emancipation permits, in a manner consistent with bona fide legal residence in North Carolina and (2) begins enrollment at an institution of higher education not later than the fall academic term following completion of education prerequisite to admission at such "institution."

(b) If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If under this consideration a minor is deemed to be a resident for tuition purposes immediately prior to his or her eighteenth birthday, that person on achieving majority will be deemed a legal resident of North Carolina of at least 12 months' duration. This provision acts to confer in-state tuition status even in the fact of other provisions of law to the contrary; however, a person deemed a resident of 12 months' duration pursuant to this provision continues to be a legal resident of the state only so long as he or she does not abandon North Carolina domicile.

Lost but Regained Domicile. If a student ceases enrollment at or graduates from an institution of higher education while classified a resident for tuition purposes and then both abandons and reacquires North Carolina domicile within a 12-month period, that person, if he or she continues to maintain the required domicile into re-enrollment at an institution of higher education, may re-enroll at the in-state tuition rate without having to meet the usual 12-month durational requirement. However, any one person may receive the benefit of this provision only once.

Change of Status. A student admitted to initial enrollment in an institution (or permitted to re-enroll following an absence from the institutional program which involved a formal withdrawal from enrollment) must be classified by the admitting institution either as a resident or as a nonresident for tuition purposes prior to actual enrollment. A residence status classification once assigned (and finalized pursuant to any appeal properly taken) may be changed thereaf-

ter (with corresponding change in billing rates) only at intervals corresponding with the established primary divisions of the academic year.

Transfer Students. When a student transfers from one North Carolina public institution of higher education to another, he or she is treated as a new student by the institution to which he or she is transferring and must be assigned an initial residence status classification for tuition purposes.

Appeal. The initial classification of undergraduate students as in-state or out-of-state residents for tuition purposes is made by the **Admissions Office**. Appeals for in-state status may be made to the campus appeals body, Out-of-State Tuition Appeals Committee. University regulations governing residential classification of students are set forth in detail in *A Manual to Assist the Public Higher Education Institutions of North Carolina in the Matter of Student Residence Classification for "Tuition Purposes."* Each enrolled student is responsible for knowing the contents of this manual. Copies of the manual are available for inspection upon request in the Admissions Office and in Randall Library.

Financial Aid

FINANCIAL AID

The UNCW Financial Aid Office administers programs of financial assistance designed to help meet the needs of eligible enrolled matriculated* students. Eligibility is determined using the U.S. Department of Education Federal methodology. Awards are made to help bridge the gap between the student's and family's expected contributions, and the cost of attendance. This assistance may be in the form of scholarships, grants, loans, college work-study jobs or a combination of these programs.

To apply for financial aid, a student must complete a *Free Application for Federal Student Aid (FAFSA)* and a *UNCW Financial Aid Application.* Some students must submit other documentation as requested by the Financial Aid Office. Continuing students must be making satisfactory academic progress as determined by the Financial Aid Office to receive awards. Questions concerning financial aid at UNCW should be directed to the Financial Aid Office. The office is located on the first floor of James Hall.

Office: (910) 962-3177 FAX: (910) 962-3851 Sea Line (910) 962-4246

*Unclassified students or students pursuing additional undergraduate studies beyond their first bachelor's degree should contact the Financial Aid Office.

MINORITY PRESENCE GRANT PROGRAM — GENERAL PROGRAM

The university will continue to fund the Minority Presence Grant Program — General Program, Part I and Part II. The University will allocate this money to historically white and historically black institutions to aid them in recruiting financially needy North Carolina students who would be minority presence students at the respective institutions by enabling the institutions to offer relatively more aid for minority presence students in the form of grants rather than loans. General Program Part I includes funds for minority presence grants for students attending the North Carolina Central University School of Law. General Program Part II consists of grant funds for Native Americans, Hispanics, and Asians.

Under the Board of Governors general Minority Presence Grant Program, minority students may be eligible for special financial assistance at UNCW if they are residents of North Carolina, are enrolled for at least three hours of degree credit coursework, and demonstrate financial need.

INCENTIVE SCHOLARSHIP AND GRANT PROGRAM FOR NATIVE AMERICANS

The General Assembly of North Carolina has established the Incentive Scholarship and Grant Program for Native Americans (ISGPNA) in order to increase enrollment at the constituent institutions of the University of North Carolina. Eligibility is limited to degree students who maintain cultural identification as an American Indian through membership in an Indian tribe recognized by the state of North Carolina or by the federal government or through other tribal affiliation or community recognition. Contact the Financial Aid Office for an application.

GRANTS

The Federal Pell Grant Program provides grants for students who show exceptional need for assistance in attending college. This grant is intended to cover the period required to complete the first baccalaureate degree. Students must be making satisfactory progress in their academic program. In addition, a student must be a U.S. citizen or in the United States for other than a temporary purpose. Awards are based on a federal formula applied uniformly to all applicants.

The Federal Supplemental Educational Opportunity Grant (SEOG) Program provides aid to students who show maximum need for assistance in attending college. Supplemental grants range in value from $100 to $4,000 per year, with the cumulative maximum of $12,000.

To be eligible for an SEOG at UNCW, a student must be enrolled in a degree program and must be a citizen or permanent resident of the United States. The application must demonstrate exceptional financial need. Full-time student applicants are given priority when funds are limited.

The North Carolina Student Incentive Grant Program is administered by College Foundation, Inc., for legal residents of North Carolina accepted or enrolled full time and in good standing in an undergraduate program of study. Students must demonstrate substantial financial need as determined through federal needs analysis. Students should see that the completed federal application is sent as soon after January 1 as possible, but not later than March 1; late filers will be considered if funds are available.

UNCW Grants are awarded to North Carolina residents who demonstrate financial need through the federal needs analysis service. These grants are awarded through the Financial Aid Office. Because funds are limited, late filers will be considered only if funds are available.

Athletic Grants-In-Aid are awarded to qualified students by the UNCW Athletic Department. Additional information may be obtained by writing to the director of athletics.

The North Carolina National Guard Tuition Assistance Program is state-funded Tuition Assistance Program for active members of the North Carolina Guard. This program will award eligible guardsmen up to $1,000 per academic year for a maximum of four years. For additional information contact:

Office of the Adjutant General
North Carolina National Guard
Attn.: AGRR
4105 Reedy Creek Road
Raleigh, N.C. 27611
(919) 664-6000

SCHOLARSHIPS

Students will automatically be considered unless a different procedure is outlined in the scholarship descriptions below. Because the competition is so intense, these scholarships are usually awarded to currently enrolled students with a grade point average of 3.5 or higher or to incoming freshmen with a high school grade point average of 3.8 or higher and a SAT score of 1000 or better.

If need is part of the eligibility criteria, all required financial aid forms will need to be filed.

University scholarships are awarded by the Financial Aid Office to financial aid applicants demonstrating financial need and academic achievement. These scholarships are awarded on a competitive basis so that those students with the greatest need and the highest grade point average of those applying are generally awarded. Automatic consideration is given to all applicants. Competition for these scholarships is intense and generally results in higher grade point average requirements.

The Alumni Association Academic Scholarship Program provides annual, renewal in-state tuition and fees scholarships based on academic achievement, potential, and financial need. Applicants may be classified as in-state or out-of-state. Scholarships are equal to basic in-state tuition and fees. Applications, secured from the UNCW Alumni Relations Office, must be completed and returned to that office by March 15.

Bedford Fair Endowed Scholarship provides a scholarship to a student who graduated from a public high school in New Hanover County. Students should have made a contribution to their community through volunteer or service activities, proven academic average of 3.0 or better, and have established financial need by applying through the regular financial aid process.

The Sankey L. Blanton Scholarship was established in the Philosophy and Religion Department by Sankey L. Blanton, III. A scholarship will be given to a non-traditional student in the department based on financial need, academic merit, leadership and character.

William J. Boney Memorial Scholarship is awarded to a UNCW student who graduated from a North Carolina high school. The scholarship is merit based and is intended to assist, recruit and retain academically strong students who also demonstrate leadership potential. Financial need may be a secondary consideration.

The Eliza Collins Scholarship is awarded yearly by the Financial Aid Office to several students who demonstrate scholastic ability and need.

The John Colucci Memorial Scholarship is restricted to marine biology students. Recipient is identified by the department and may be awarded to graduate or undergraduate students. Amount will be determined by income.

The Champion McDowell Davis Scholarship is available to students from any major. This scholarship covers in-state tuition and fees, books and other select expenses and is awarded to students based on academic achievement, leadership potential and demonstrated financial need. A selection committee is charged with choosing the recipients each year.

The Delta Sigma Theta Sorority Scholarship was established by the Theta Iota chapter of Delta Sigma Theta Sorority for the purpose of increasing minority female enrollment. Students from high schools in Brunswick, New Hanover, and Pender counties, and high schools of the current members in the sorority may apply. Recipient will be selected based on the combination of proven academic achievement and community service and school involvement. All applicants must be accepted to UNCW. Contact the guidance counselor or the Financial Aid Office for application.

Dr. A. P. and Frances Dickson Scholarship is awarded annually to a full-time undergraduate student who currently resides in Hoke County, North Carolina. Recipients are chosen by the Financial Aid Office on the basis of academic standing and financial need. Awards are nonrenewable and vary in amount according to income available from the Trust.

Matthew Dale Donahue Scholarship Fund is available to freshmen or sophomore students who are graduates of a New Hanover or a southeastern North Carolina high school. Recipients will be selected based on documented financial aid need as determined by federal guidelines.

Dr. Hubert A. Eaton, Sr., Scholarship is awarded annually to a graduate of any accredited high school in New Hanover county. Student must meet the following criteria: achieve a cumulative grade point average of 3.0 or higher, demonstrate a record of leadership, school and community service, and maintain a 3.0 GPA or higher for scholarship renewal. Where candidates are substantially equal in qualifications, choice shall be determined by need.

Eddie Godwin, III, Memorial Scholarship of $1,000 is awarded to a graduate of New Hanover High School. Applicants must be able to demonstrate financial need through the regular financial aid process. Applicants should also show evidence of self-help and acceptable academic standing. Though not required, athletic participation at the high school level is desirable. Because the scholarship may be renewed based on scholastic performance, a new recipient may not be named every year. Contact the Guidance Office at New Hanover High School or the Financial Aid Office.

The Guilford Mills Scholarship will be awarded to a Guilford Mills regular associate or the child of Guilford Mills Regular Associates. The scholarship covers in-state tuition and fees and room and board. The recipients must be majoring in business administration or computer science. Applications must be received by mid-March each year. Contact Guilford Mills for an application.

The Mary Courtney Hardison Scholarship is intended for female freshman students who are graduates of any accredited high school in New Hanover County. Preference will be

given to female students who have been active in high school activities, including organized athletics. Recipient(s) shall be selected based on a combination of academic achievement and demonstrated financial need. Contact guidance counselor or Financial Aid Office for application.

The Henry Harrell, Sr., Scholarship is awarded annually to North Carolina students who have a grade point average of 3.0 or better and have an exceptional financial need.

The George Henry Hutaff Honors Scholarship Fund is intended to provide scholarships for students enrolled in the Honors Program and will be administered by the Director of the Honors Program.

The Interroll Corporation Scholarship will be awarded annually to a dependent of an Interroll employee. If no eligible student applies for the scholarship, it may be awarded to a student from southeastern North Carolina. The scholarship is valued at one half of published tuition and fees for non-employee children and full tuition and fees for employee children.

Jefferies and Faris Associates Endowed Merit Scholarship is intended to provide a tuition and fees scholarship to an undergraduate UNCW student. Because the scholarship is renewable contingent on continuing satisfactory progress, a new recipient may not be named every year.

The Annie Ross King Memorial Scholarship is an in-state tuition and fees merit scholarship available to students graduating from a New Hanover County high school. It is intended to recruit and retain academically strong students who have documented financial need. Students can be entering or enrolled students.

The H.M. & Pearl Kyle Foundation Scholarship is awarded annually to a worthy and deserving student. It is the intent of the donors that the scholarship be awarded to a person who can establish some sense of need and who is from eastern North Carolina or eastern South Carolina. Because the scholarship may be renewed on the strength of academic performance and continued need, a new recipient may not be named every year.

The Landmark Homes Endowed Merit Scholarship is intended to provide undergraduate academic scholarships for students who desire to enroll in the university Honors Program. First preference in awarding the scholarship will be given to a high school student from New Hanover, Pender, Columbus, and Brunswick Counties in North Carolina and Horry County, South Carolina. The acceptance of the scholarship is conditional on student's promise to contribute to the scholarship fund after graduation.

The Hans Langhammer Scholarship is an in-state tuition and fee scholarship designed to enhance the minority presence on the UNCW campus.The scholarship is available to students in any academic discipline. Consideration will be given to financial need and academic potential.

The Devereux Haigh Lippitt Scholarship is awarded annually to a North Carolina student based on academic achievement. This scholarship covers the in-state cost of tuition and fees and is given in memory of Devereux Haigh Lippitt by his family.

James Lee Love Scholarship is awarded annually to a full-time North Carolina resident undergraduate student. Recipients are chosen by the Financial Aid Office on the basis of academic standing and financial need. Awards are nonrenewable and vary in amount according to income available from the Trust.

The Lucile Murchison Marvin Scholarship is awarded each year to a student who has a grade point average of at least 3.0 and who demonstrates scholarship ability and financial need.

National Spinning Company provides a scholarship award for a student who is a child of an eligible National Spinning Company employee. If there are no students who are children of National Spinning employees to apply, the scholarship may be awarded to a student from southeastern North Carolina.

The NationsBank Merit Scholarship will be awarded each year to students in the UNCW Honors Program.

The New Hanover Regional Medical Center Auxiliary Scholarship of $500 is awarded each year to a student pursuing studies in a health-related field. Candidates must be graduates of a New Hanover County high school, be of good character, and be active in school and community activities. Entering freshmen must be in the top 10 percent of their graduating class and have scored at least 900 on the SAT. In the event that more than one student qualifies academically, need shall be a determining factor. This scholarship is renewable contingent on continuing satisfactory academic progress. Consequently, this scholarship may not be open each year to new candidates.

The North Carolina Sheriff's Association Undergraduate Criminal Justice Scholarship is an annual non-renewable scholarship awarded on the basis of financial need and academic achievement. First preference goes to an applicant who is a son or daughter of any law enforcement officer killed in the line of duty. Second preference will be given to a son or daughter of any sheriff or deputy sheriff who is deceased, retired or currently active in N.C. law enforcement. Third preference shall be given to any N.C. resident criminal justice student who has financial need and demonstrates academic achievement. Contact the Financial Aid Office.

The Pilot Club Scholarship is awarded annually by the Pilot Club of Wilmington to a worthy and deserving student. Contact the Financial Aid Office.

The R & E Electronics Scholarship is awarded to a sophomore minority student majoring in pre-engineering or a sophomore seeking a BS degree, in order of preference, in math, physics, medical technology, or computer science. The student must have graduated from a North Carolina high school and must demonstrate academic ability and financial need. Contact the Financial Aid Office for application information.

The Eva McMillian Ross Scholarship provides an annual award to a female who is a New Hanover County high school graduate with a 3.5 or better grade point average. The scholarship is renewable if a 3.2 grade point average is maintained.

The Wilmington Rotary Club Scholarships are awarded annually to undergraduate students who demonstrate academic strength, good character, and financial need. Two scholarships will be awarded, one to a North Carolina student and one to an international student.

The Aaron and Elizabeth Silverman Scholarship Fund provides in-state tuition and fees scholarships to academically strong students. Scholastic achievement and graduation from an accredited North Carolina high school are the only criteria. The scholarship(s) can be awarded to a prospective student or to those students currently enrolled.

The C. M. and M. D. Suther Scholarship is awarded annually to deserving high school graduates who would not otherwise be able to attend college. The scholarship amount will be approximately $950 annually. Applicants must be N.C. residents with a 3.0 GPA or in the case of an entering freshman be in the top 25 percent of their graduating class.

The University Women of UNCW Scholarship is awarded annually to a female undergraduate student enrolled full time who has completed at least 60 semester hours. First consideration will be given to the student who demonstrates academic ability with financial need as second consideration. The non-traditional student will be given priority.

The Elizabeth Dudley Urquhart Memorial Scholarship Fund provides an in-state tuition and fees scholarship to an academically talented student who demonstrates financial need. The recipient must have completed the last two years of high school in a New Hanover County public school.

Robert F. and Catherine Warwick Scholarship Fund is available to UNCW students who have graduated from a New Hanover County high school. The scholarship will be awarded on the basis of involvement in the Fellowship of Christian Athletes, evidence of leadership poten-

tial, moral force of character, scholastic ability and documented financial need. Contact guidance counselor or Financial Aid Office.

The Sally R. Wilkins Scholarship, established by The Wilmington Business and Professional Women's Club, is awarded annually and is restricted to female students pursuing a business or professional career. The scholarship is designed for students having a demonstrated financial need and a clearly designed academic goal. The value of the scholarship will be determined based on annual earnings of the scholarship fund. The scholarship is non-renewable. Contact the Financial Aid Office for application.

The Wilmington Women's Club Scholarship is awarded to a New Hanover County high school graduate who demonstrates academic achievement and financial need. A recipient may continue to receive this scholarship if a 3.00 grade point average is maintained; therefore, a new recipient may not be named every year. Contact the Financial Aid Office for application.

Allan and Laura Wilson Scholarship is a $2,000 award given annually to a student who graduated from a high school in New Hanover, Pender or Brunswick County. The recipient shall be selected based on financial need, scholastic ability and moral force of character.

COLLEGE OF ARTS AND SCIENCES SCHOLARSHIPS

Students should contact the appropriate academic department for the following scholarships. In some cases, no application is necessary; students will automatically be given consideration.

The William F. Adcock, Jr., Music Scholarship is awarded to a student who plans to graduate from UNCW with an emphasis in music and who has no more than 36 hours to complete for graduation. The award will be based upon overall excellence in music, above-average academic record and acceptable performance standards.

The Franklin H. Allen Scholarship is awarded to a rising senior in biology on the basis of grade point average and other evidence of achievement; the recipient is chosen by a faculty committee.

The Applied Analytical Industries Chemistry Scholarship is a $2,000 annual in-state tuition, fees, and book allowance scholarship established for a senior chemistry major who has demonstrated excellence in analytical chemistry. The faculty of the Department of Chemistry will recommend each year's recipient to the chairperson of the department.

The Charles and Kay Bolles Marine Biology Scholarship is awarded annually to a marine biology major. The scholarship will be awarded with merit as a first consideration and need as a secondary consideration. Contact the chairperson of the Marine Biology Department concerning application process.

The Dovie P. Bowden Scholarship is awarded to a biology or marine biology student of junior standing on the basis of scholarship and need by the Department of Biology.

The J. Rupert Bryan Scholarship is awarded to a political science major with financial need. Candidates must be able to demonstrate creativity, curiosity, and academic worthiness.

The Cape Fear Garden Club, Inc. Scholarship is be awarded to a rising junior who has declared a major in biological sciences. The recipient must have at least a cumulative 3.0. The recipient shall be selected by a committee determined by the chair of the Biological Sciences Department.

The Helena R. Cheek Memorial Scholarship is awarded by the Department of Foreign Languages and Literatures to a student who demonstrates special ability in the area of foreign language study and overall academic excellence. This scholarship is given in memory of Helena R. Cheek by her family and friends.

The J. Marshall Crews Scholarship is awarded annually to a major in the Department of Mathematical Sciences. Selection is based upon academic excellence, extracurricular activi-

ties, and faculty recommendation. Applicants seeking further information should contact the Department of Mathematical Sciences.

The Glaxo Women in Science Scholarship has been established to encourage women to enter the sciences. Recipients must have a 3.0 GPA and have a goal of entering the sciences for a career. Recipients will be assigned a woman mentor at Glaxo Industries. No application is necessary. Selection is made by committee.

The Benjamin R. and Edith B. Graham Scholarship is awarded annually to a marine biology and an education major who graduated from an accredited southeastern North Carolina high school. The award shall be based on academic achievement with financial need being a secondary factor. Inquiries should be made to the chairperson of the respective major department.

The Louise Jackson Green Scholarship is a $2,000 award per academic year and will be given to an English major based on merit as a first priority, with exemplary moral character and leadership potential serving as secondary considerations. The student must be a formally declared English major with a concentration in literature and language, and must be a rising junior or senior. The recipient shall be chosen by the English Department.

The Jay Hensley Endowed Scholarship was established for the purpose of recognizing academic merit in the area of marine science. The scholarship will be awarded to a junior or senior full-time undergraduate student. First preference will be given to a high school student from New Hanover, Pender, Columbus, and Brunswick Counties in North Carolina and Horry County, South Carolina. Contact the Department of Biological Sciences.

The Jean Jordan Memorial Scholarship (sponsored by the New Hanover-Pender Medical Society Auxiliary) is awarded to a nursing student, second- or third-year medical technology student, or junior or senior pre-medical student who is a resident of New Hanover, Pender or Brunswick County and who demonstrates financial need and scholastic ability.

The LAQUE Scholarship is an annual scholarship awarded to a chemistry major. Students interested in applying for this scholarship should contact the chairperson of the Department of Chemistry.

The Charles R. Long Scholarship is awarded to student(s) majoring in accountancy or philosophy and religion. Scholarship(s) will be awarded based on prospective student's need and academic potential as first priority. Leadership potential and citizenship shall be considered as additional factors in the selection process. Value of the scholarship will be determined based on annual earnings. Students should contact respective department concerning application process.

The Eunice T. and Marguerite B. MacRae Scholarship provides an in-state tuition and fees scholarship to a student in foreign languages and literatures. The recipient will be selected by the Department of Foreign Languages and Literatures.

The Herbert and Shirley Mintzes Memorial Scholarship is awarded to the rising sophomore with the highest standing in the Principles of Biology course (BIO 110-111); the recipient is chosen by the course instructors.

The New Hanover/Pender Medical Society Scholarship is designed for UNCW students enrolled in the pre-medical program. The $500 scholarship is coordinated by the chair of the UNCW chemistry department and is designed to assist students preparing for medical school. No application necessary.

The New Hanover Regional Medical Center Auxiliary Scholarship provides an annual award to a student majoring in a health-related field. Academic merit and participation in extracurricular activities are the primary criteria used with financial need being a secondary factor in selecting the recipient. No application necessary.

The Ernest Stephen Prevost Scholarship is awarded to an undergraduate student majoring in chemistry. The recipient will be selected based on a demonstrated financial need and proven academic ability. For information contact the chairperson of the Chemistry Department.

The Anne Green Saus Scholarship is awarded annually to an English major with a concentration in literature and language. The scholarship will be awarded with merit as first consideration and need as a secondary consideration. The scholarship will be valued at the in-state tuition and fee rate in effect at the time of award plus a $200 book allowance. Contact the chairperson of the English Department concerning criteria for this award.

The Fred Toney Scholarship is awarded each year based upon balloting by the faculty of the Department of Mathematical Sciences. Criteria include academic excellence and extracurricular activities. Inquiries should be directed to the chairperson of the Department of Mathematical Sciences.

The James E. L. Wade Scholarships in history and political science are awarded to high school seniors who have a B average or above on high school work, an interest in history or political science as a major, and financial need. For additional information, contact the appropriate department chairperson.

The Wilmington Arts Association Scholarship is awarded to a junior or senior majoring in the arts division of the Department of Fine Arts. Academic excellence and artistic merit will be criteria for determining recipients.

The Wright Chemical Corporation Scholarship is awarded to a chemistry major. Students interested in applying for this scholarship should contact the chairperson of the Department of Chemistry.

The R.F. Zimmerman/South Atlantic Services Scholarship is awarded annually to a chemistry major. The award includes in-state tuition, fees and a book allowance. The recipient will be selected on the basis of academic achievement and documented financial need, as well as good character and leadership potential. No application necessary.

CAMERON SCHOOL OF BUSINESS ADMINISTRATION SCHOLARSHIPS

The Thomas J. Burke Scholarship is awarded annually to an undergraduate student on the basis of scholastic ability, demonstrated leadership qualities, and recommendation by the faculty.

The Roger P. Hill Scholarship is awarded annually to a junior or senior business major on the basis of scholastic ability, character, and recommendations by the faculty. Special consideration is given to non-traditional students beginning or returning to academic study.

Hughes Brothers, Inc. Scholarship is awarded annually to an incoming freshman who plans to major in business and covers tuition, fees, books, housing, and meals. The scholarship criteria are: 1) graduated from an approved North Carolina high school, 2) academic ability, 3) need, and 4) high potential for leadership.

The J. W. Jackson Scholarship has a $2,000 per year value and is restricted to a junior-senior or graduate student enrolled in the Cameron School of Business Administration. The scholarship is designed for students with high academic potential. Inquiries should be directed to the Cameron School of Business. Students awarded this scholarship are eligible to reapply.

Mary R. King Memorial Scholarship is merit based scholarship for female students who have been accepted into the Cameron School of Business Administration. It is valued at in-state tuition and fees. Selection is based on all work attempted at UNCW.

The Charles R. Long Scholarship is awarded to student(s) majoring in accountancy or philosophy and religion. Scholarship(s) will be awarded based on prospective student's need and academic potential as first priority. Leadership potential and citizenship shall be considered as additional factors in the selection process. Value of the scholarship will be determined based on annual earnings. Students should contact respective department concerning application process.

The Lower Cape Fear Personnel Association Scholarship, established for students planning to concentrate in the study of management, is awarded annually on the basis of scho-

lastic ability, financial need and recommendations by faculty. For information and application forms, contact the chairperson of the Department of Management and Marketing.

The Dorothy P. Marshall Scholarship is awarded to a junior or senior in the Cameron School of Business Administration who has demonstrated both financial need and scholastic ability. Applicants may apply to the dean of the Cameron School of Business Administration.

The Peoples Savings Bank Scholarship is awarded annually. Preference is given to students majoring in economics or finance and to those who are high school graduates from New Hanover or Pender Counties.

The Sales and Marketing Executives International Association (Cape Fear Chapter) Scholarship, established for students concentrating in the study of marketing, is awarded annually on the basis of scholastic ability, financial need and recommendations by faculty. For information and application forms, contact the chairperson of the Department of Management and Marketing.

The Lee M. Sherman Scholarship is awarded annually to an undergraduate student on the basis of scholastic ability, demonstrated leadership qualities, and recommendation by the faculty.

The Sally R. Wilkins Scholarship is awarded annually to a female student pursuing a business or professional career. Applicants must have clearly designed academic goals and be able to demonstrate financial needs.

The Greater Wilmington Merchants Association Scholarship is awarded annually to an undergraduate student on the basis of scholastic ability and recommendations by the faculty. Preference is given to students concentrating in marketing, with special consideration given to students interested in retailing.

The Purchasing Management Association of Carolinas-Virginia Scholarship is awarded annually to a student with an indicated interest in the field of purchasing management or marketing.

The Wilmington Shipping Company Scholarship established in memory of Ernest W. Newman, is awarded annually to a junior or senior business student with an indicated academic and career interest in international business. Applicants must be residents of North Carolina and eligible for in-state tuition. The recipient will be determined by scholastic ability, financial need, and recommendations from the faculty.

WATSON SCHOOL OF EDUCATION SCHOLARSHIPS

The Sue McCall Boone Scholarship for education majors was established to provide a scholarship for a New Hanover County student who demonstrates a financial need at UNCW. The scholarship is named in honor of Miss Sue Boone, New Hanover educator, who contributed over 50 years of service in the community. The scholarship is awarded to one student biennially in the amount of tuition. Apply through the Watson School of Education, Dean's Office.

The James Ozborn Carr Scholarship is awarded to students in the Watson School of Education. Character and leadership potential will be factors in determining recipients. The scholarships are restricted to graduates of southeastern North Carolina high schools. The scholarships are designed to attract and retain academically strong students. Apply through the Watson School of Education, Dean's Office.

The Delta Kappa Gamma (Beta Phi Chapter) Scholarship is established by the Beta Phi Chapter of Delta Kappa Gamms to assist female student who has been accepted into Watson School of Education. The scholarship is based on need and is renewal. The amount of the scholarship is based on available fund income. Recommendation is made by the Financial Aid Office with input from the Watson School of Education. Apply through the Watson School of Education, Dean's Office.

The Paul Douglas Teacher Scholarship Program authorized by the U.S. Congress provides college scholarships to outstanding undergraduates who have chosen to pursue teaching careers at the preschool, elementary, or secondary level. Applicants are evaluated on the basis of academic performance, leadership, extracurricular participation, and promise of service as a teacher. PDTS awards are valued at up to $5,000 annually and may be received for a maximum of four undergraduate academic years, subject to congressional appropriations. The amount of the PDTS award may not exceed the recipient's cost minus other financial aid received. This scholarship converts into a loan commitment at a rather high interest rate if the recipient does not fulfill the teaching commitment required by this award. Scholarships are not awarded each year since Congress allocates funds. Inquiries should be directed to the Watson School of Education.

The Benjamin R. and Edith B. Graham Scholarship is awarded annually to a marine biology and an education major who graduated from an accredited southeastern North Carolina high school. The award shall be based on academic achievement with financial need being a secondary factor. Inquiries should be made to the chairperson of the respective major department. Apply through the Watson School of Education, Dean's Office.

The Mary Blanche Jessup Scholarship is awarded to an education major who is beginning his/her student teaching. The Watson School of Education will select nominees for the scholarship and submit names to the scholarship committee. The scholarship is valued at $500 per year. Apply through the Watson School of Education, Dean's Office.

The Lee V. Landing Scholarships are awarded annually to elementary, middle school, or special-education majors who have been accepted into the UNCW Watson School of Education. Recipients are selected on the basis of academic achievement as first consideration with financial need a secondary factor. Apply through the Watson School of Education, Dean's Office.

The North Carolina Prospective Teacher Scholarship/Loan Program provides assistance to prospective North Carolina teachers. The program provides a $2,000 per year loan which will be canceled if the student teaches in North Carolina public schools after graduation. The program is administered by the Department of Public Instruction. Inquiries regarding the program should be directed to N.C. Prospective Teachers Scholarship Program, State Department of Public Instruction, Raleigh, NC 27611. To be eligible for this program a student must be enrolled for at least 12 hours and be a North Carolina resident.

The North Carolina Teaching Fellows Program is designed to identify talented students interested in teaching, and to assist those students in becoming teachers by the award of scholarship/loans for four years of undergraduate study, repayable through the means of service. Award recipients will receive annual awards of $5,000 for each of their four college years subject to legislative appropriation. Consideration under this program is given to entering freshman. Interested applicants should contact their high school guidance office.

The Ann Durant Walker Scholarship Award—The Alpha Psi Chapter of Alpha Delta Kappa awards a scholarship to a junior or senior majoring in special education. The scholarship is given in memory of Ann Durant Walker who helped develop the Special Education Program in New Hanover County. Apply through the Watson School of Education, Dean's Office.

SCHOOL OF NURSING SCHOLARSHIPS

The Billie Burney Memorial Scholarship, started by family and friends of the late Billie Burney, is awarded annually as a tuition scholarship to a student in the field of nursing. No application necessary.

The Cape Fear Memorial Hospital Auxiliary Student Nursing Scholarship is awarded to a rising senior, nursing student, who plans to graduate from the University of North Carolina at Wilmington. The award is designed to assist a senior nursing student in their final year of

undergraduate work. The recipient must present a financial need, academic merit, and participation in extracurricular activities. Leadership potential, community service, and citizenship shall also be considered in the selection process. Applications may be obtained through the University of North Carolina at Wilmington, School of Nursing Office.

The Forty and Eight Nursing Scholarship is an academic scholarship established by Voiture 245, the Forty and Eight of American Legionnaires, in joint memory of Voyageur Militaire JohnH.McInnis and Miss Dorothy Dixon, and is open to nursing students who graduated from high school in New Hanover, Pender, or Brunswick County. No application necessary. Selection is made by the School of Nursing.

The Ministering Circle of Wilmington awards scholarships to a rising senior nursing student on the basis of scholastic ability, financial need, and recommendation to rising senior nursing students accepted in the School of Nursing at UNCW. Inquiries should be directed to the Financial Aid Office.

The New Hanover Regional Medical Center Auxiliary Scholarship is awarded to student in a health-related field based on academic achievement with financial need as a secondary factor.

The North Carolina Nurse Scholars Program was established by the General Assembly to provide college scholarships for outstanding high school graduates and other persons interested in becoming a registered nurse. Scholarships are based upon academic merit. Application forms for the scholarship are available in the nurse education departments, guidance offices in high schools in North Carolina and from the State Education Assistance Authority. Scholarships are valued at $3,000 to $5,000.

The Nursing Education Scholarship/Loan Program provides assistance to prospective North Carolina nurses. The recipient must be able to demonstrate need through the regular financial aid process. The program provides loans which will be canceled if the recipient practices full time in North Carolina after graduation. Contact the Financial Aid Office.

The Nancy Crow Stovall Memorial Scholarship was established by the Ministering Circle of Wilmington. The scholarship is to be awarded to a senior nursing student and is based on academic performance, character, and documented financial need. The recipient is selected by The Ministering Circle. Application information may be obtained from the Financial Aid Office.

The Edith Graham Toms Scholarship is a memorial scholarship awarded to an outstanding nursing student. This scholarship is valued at the in-state rate for tuition and fees plus books and supplies. Applicants must be admitted into the School of Nursing. No application necessary.

The Theresa Bentsen Warrick Memorial Nursing Scholarship is awarded to a nursing student demonstrating financial need and proved academic and clinical achievements. Applicants must be graduates from North Carolina high schools and present an overall grade point average of at least 2.5. No application necessary.

EMPLOYMENT

The Federal College Work-Study Program, which is federally funded, provides part-time jobs on the UNCW campus or off campus with community service organizations for students who have financial need and who must earn part of their education expenses. To be eligible for work-study, a student must be enrolled in a degree or teacher certification program and must be a citizen or permanent resident of the United States. The application and financial statement must demonstrate financial need. Full-time student applicants are given priority when funds are limited.

The Institutional Work Program, also known as the Work Assistant Program, makes funds available for campus jobs for students. These funds are allocated to departments with the selection of student work assistants controlled by those departments.

Students interested in the program should direct inquiries to the Career Services Center.

Off-Campus Employment is coordinated by the Career Services Center. The office publicizes specific job openings, makes individual referrals, announces recruiting visits, and keeps on file company literature, information about public and private schools, and state and federal government opportunities. Students interested in using the services of this office should register with the Career Services Center to establish a credentials file.

LOANS

Parent Loans for Undergraduate Students (PLUS)

Parent loans may be secured to assist in covering educational costs. Parents may borrow up to cost of education minus all other financial assistance. In determining eligibility, the credit worthiness of the borrower is of primary importance.

Students will be required to complete the regular financial aid process in order for the parent to apply for this loan. A variable interest rate will be calculated annually based on a federal formula. The new rate will begin each year, but cannot exceed 9 percent.

Federal Stafford Student Loans provide students with long-term, low- interest loans. Under this program, a student may borrow up to $2,625 for the first year in school, $3,500 for sophomore year and $5,500 for junior or senior status. All borrowers are required to complete the regular financial aid process and establish their eligibility on a basis of financial need. Repayment of these loans begins six months after a student ceases to be enrolled at least half time and borrowers are permitted up to ten years for repayment. The interest on the loan begins at the time of repayment and is calculated annually based on a federal formula, but cannot exceed 8.25 percent.

Federal Unsubsidized Stafford Loan Program is a program which expands Stafford borrowing to students who do not demonstrate need based on federal guidelines. Even though the unsubsidized Stafford Loan carries the same loan limits and interest rate as the subsidized Stafford Loan, interest does accrue while the student is enrolled.

Federal Perkins Loans provide needy students with long-term, low-interest loans for educational expenses. Under this program students may borrow up to $3,000 per year and a total of $15,000 for undergraduate study. Repayment begins nine months after graduation or withdrawal from school, and the borrower may take up to 10 years to repay the loan. The interest rate is five percent and does not begin accruing until nine months after graduation or withdrawal from school. All or part of the loan may be canceled for service in certain professions. Borrowers should contact the Financial Aid Office for additional information. Applicants must complete the regular financial aid process. To be eligible for a Perkins Loan, a student must be enrolled in a degree or certification program and must be a citizen or permanent resident of the United States. Full-time student applicants are given priority when funds are limited.

The North Carolina Prospective Teachers Scholarship-Loan Program provides assistance to prospective North Carolina teachers. The program provides a $2000-per-year loan which will be canceled if the student teaches in North Carolina public schools after graduation. The program is administered by the Department of Public Instruction. Inquiries regarding the program should be directed to N.C. Prospective Teachers Scholarship Program, State Department of Public Instruction, Raleigh, N.C. 27611. To be eligible for this program, a student must be enrolled for at least 12 hours and be a North Carolina resident.

The North Carolina Student Loan Program for Health, Science and Mathematics provides financial assistance to North Carolina residents who demonstrate need as determined by the Board for Need-Based Medical Student Loans. Loans are available for study in the medical fields, mathematics and science programs that lead to a degree. Additional information can be obtained by writing or calling (919) 571-4182.

The Student Loan Program
P.O. Box 20549
3824 Barrett Dr., Suite 304
Raleigh, North Carolina 27619-0549

The Nursing Education Scholarship/Loan Program provides assistance to prospective North Carolina nurses. The recipient must be able to demonstrate need through the regular financial aid process. The program provides loans which will be canceled if the recipient practices full time in North Carolina after graduation. Applicants should contact the Financial Office for specific information.

William L. Anderson Barlow and Mellie Hill Barlow Fund provides interest-free loans to eligible candidates when repaid within 10 years after graduation or last enrollment in a degree program. Eligible candidates include priority consideration for full-time students who are orphans or raised in orphan-like conditions and who are in need of and are worthy of financial assistance in securing a college education. Applicants from single-parent homes may also be considered as may other categories of students depending on the availability of funds. A separate application is required and may be obtained from the Financial Aid Office.

The Marshburn Nursing Loan Fund is awarded to a nursing student/students identified by the dean of the School of Nursing as needing financial assistance to complete the program. The student would be eligible for a no-interest loan to complete his/her training. Repayment of the loan must be made within 24 months from the date he/she ceases enrollment at UNCW.

ACADEMIC CONSIDERATIONS

Satisfactory Academic Progress for Financial Aid Eligibility for Undergraduate Students

Federal legislation requires the demonstration of satisfactory academic progress for the certification of aid eligibility or before the awarding of financial aid to an otherwise eligible student. This requirement applies to all applicants for federal assistance. Programs include Federal Pell Grant, Federal Supplemental Opportunity Grant, Federal Work-Study, NC Incentive Grant, Federal Perkins Loan, Federal Family Education Loan Program which includes Stafford and PLUS Loans (Parent Loans for Students), the Paul Douglas Teacher Scholarship, and Robert C. Byrd Honors Scholarship programs. The requirement is also applicable to university scholarship, grant and loan funds but does not cover non-need based university employment. Note: This requirement only applies to undergraduate eligibility to receive financial aid, not to the minimum academic standards necessary to remain enrolled.

Eligibility

Students receiving financial aid must be making satisfactory academic progress from both a qualitative and quantitative standpoint. Qualitative refers to cumulative grade point average (GPA), and quantitative refers to number of credit hours earned.

The 1992 Reauthorization of the Higher Education Act redefined an academic year as a period of at least 30 weeks in which a full-time student earns at least 24 credit hours. To remain eligible for financial aid, an undergraduate student, attending full-time, must complete a minimum of 24 hours each year.

To remain eligible for financial aid, an undergraduate student must maintain the necessary cumulative grade point average (GPA) to remain enrolled. This grade point average requirement is detailed in the university retention standard. Students enrolled under the three-year rule will be required to meet a minimum 2.00 GPA each term and earn the required hours for his/her enrollment status.

Less than full-time students must earn at least a proportionate number of hours for their enrollment status. See following chart.

HOURS EARNED (Per Semester)

Credit Hours Enrolled (After Drop/Add)	Minimum Credit Hours to be Earned Per Semester
12 or More (Full-Time)	12
9, 10, 11 (3/4-Time)	9
6, 7, 8 (1/2-Time)	6
1-5 (Less than 1/2 time)	100% of Attempted Hours

Time Limitation Policy for Determining Eligibility for Financial Aid

Financial Aid is available to undergraduate students only during the first five years of coursework leading to a bachelor's degree. If a student takes longer to complete a bachelor's degree, it must be done without the benefit of federal, state, or other aid determined by the Financial Aid Office. UNCW defines five years as the equivalent of five full-time years, or 150 ATTEMPTED HOURS, whichever occurs first. Terms enrolled less than full time (12 hours) are counted as an appropriate fraction of a term. All attempted hours (including transfer hours) **must** be counted, whether or not financial aid was received, and whether or not the coursework was successfully completed.

Additionally, a student is determined to be no longer eligible for Federal Pell Grant Program once the requirements for graduation have been met. This is true regardless of whether the student applies for graduation. Upon completion of a bachelor's degree, a student may receive two additional academic years of federal loan eligibility; providing that he/she is accepted and registered in a teacher certification program or second undergraduate degree program.

Transfer Students

The number of hours accepted as transfer hours will be used to place the student within the time frame allowed to complete the undergraduate degree.

Mid-Year and Year-End Review

A preliminary review will be made at mid-year (following fall semester) to identify those students not meeting the required satisfactory academic progress standards for financial aid eligibility. Full-time students not successfully completing at least 12 hours will be determined "at risk" and will be issued a warning, as will those students who failed to meet the retention chart standard for GPA. Financial aid recipients who fail to meet all required standards at the end of the spring semester will lose their continuing eligibility as financial aid applicants for subsequent periods of enrollment, until his/her deficiency is removed. It is the responsibility of the student to be aware of his/her satisfactory academic progress for financial aid eligibility. Notification of ineligibility will be sent to the student by the Financial Aid Office following the conclusion of the spring semester.

Re-establishing Financial Aid Eligibility

To re-establish eligibility, a student must attend summer school and/or other terms necessary, without financial aid, to bring up the GPA or the needed hours. It is the responsibility of the student to provide documentation to the Financial Aid Office to show this has been completed. The needed hours can be obtained by attending another school, but the GPA cannot; only credit hours will transfer, not grades; students who must improve their GPA must attend UNCW to improve their GPA.

Occasionally students will fail to meet the established standards for reasons beyond their control. Such students may appeal their loss of eligibility, and if the Financial Aid Office Appeals Committee deems their performance to have been significantly hampered by such "mitigating

circumstances," they will be permitted to continue in good standing under Title IV regulations. Such mitigating circumstances include serious family problems, extended illness, and similar situations. All appeals must be documented and submitted in writing to the Financial Aid Office.

VETERANS SERVICES

Veterans Services are administered under the umbrella of Student Financial Aid at UNCW. Veterans Services are intended to meet the needs of students receiving educational benefits under Chapter 30 (Montgomery GI Bill), Chapter 32 (VEAP), Chapter 1606 (reservists from all branches of the service), and Chapter 35 (dependents). Chapter 34, the old GI Bill, is still available if there was continuous unbroken service between July 1, 1985 and June 30, 1988. Veterans who feel they have an entitlement under this program should check with their local VA Office, the Regional Office in Winston-Salem (1-800-827-1000) or the VA Certifying Official at their local educational institution. Chapter 31, Vocational Rehabilitative Program, is available for Veterans with a 20 percent or greater disability due to service connected cause(s). Check with your local VA Office for assistance.

The university services include peer and professional counseling, developmental assistance, tutorial services, and certification for VA Educational Benefits. Additional concerns include the monitoring of grades, completion of final exams and to insure that participants are selecting courses required for their prescribed curriculum.

All individuals receiving VA Educational benefits are required to complete a "Class Schedule" at the Veteran Services Office. Any changes in his/her course must also be cleared with a Veteran Services Counselor. Failure to comply with these requirements could result in the veteran losing his/her VA Educational Benefits.

Participants who fail to meet university academic eligibility may not be eligible for benefits. When academic eligibility is reinstated, the veteran may be eligible to reapply for VA Educational Benefits.

The UNCW Veterans Office is located on the first floor of James Hall.

Office: (910) 962-3136 or (910) 962-3773 FAX: (910) 962-3851

University Regulations

UNIVERSITY REGULATIONS

ACADEMIC HONOR CODE

The University of North Carolina at Wilmington is committed to the proposition that the pursuit of truth requires the presence of honesty among all involved. It is therefore this institution's stated policy that no form of dishonesty among its faculty or students will be tolerated. Although all members of the university community are encouraged to report occurrences of dishonesty, honesty is principally the responsibility of each individual.

Academic dishonesty takes many forms, from blatant acts of cheating, stealing, or similar misdeeds to the more subtle forms of plagiarism, all of which are totally out of place in an institution of higher learning. Reporting and adjudication procedures have been developed to enforce the policy of academic integrity, to ensure justice, and to protect individual rights. Complete details may be found in the current *Student Handbook and Code of Student Life* and in the *Faculty Handbook*.

ADVANCED PLACEMENT

The University of North Carolina at Wilmington participates in the advanced placement programs of the College Entrance Examination Board. A brochure listing the examinations, required minimum scores, course equivalents, and credits awarded is available through the Office of Admissions. A freshman who scores three or above on the Advanced Placement test will receive appropriate college credit and advanced placement. Students taking Advanced Placement tests should have the score reports sent to the Registrar's Office for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.

Students who are talented and well prepared may also receive credit for a variety of courses by achieving a passing score on one of the College-Level Examination Program (CLEP) tests. Tests are offered and can be registered for biannually at the Student Development Center.

Students who have been exempted with credit from courses at an accredited college or university may be exempted with credit from appropriate courses at the University of North Carolina at Wilmington, as outlined in the test brochure. When the exemption is based on a test result, the student should have a copy of the score report sent to the Office of Admissions. In those cases in which a student has demonstrated knowledge of a particular field by more advanced course work, exemptions may be granted on an individual basis by the appropriate department chairperson.

Supplementary foreign language credit: Students who complete, with a grade of "C" or better, a French, German, Latin or Spanish course numbered 201 or higher (excluding 209, 210, 211, and 212) and who have received no AP credit, no transfer credit, and no 100-level credit at UNCW in that language shall be granted three hours of supplemental elective credit. This credit shall not apply toward Basic Studies requirements.

ADVISING

Students and their advisors confer when necessary, but they should confer at least once before every registration period to review goals, plans for achieving them, and any problems encountered or anticipated. Students have the responsibility to understand and meet the requirements for the curriculum under which they are studying and should seek advice as appropriate.

AUDITING

The auditing of courses without credit is approved by special permission of the Registrar and of the instructor involved. Individuals not regularly enrolled as students in the university who wish to audit courses will be classified as special students and will be required to pay regular tuition and fees. University students in regular status will be permitted to audit courses and must pay the same tuition and fees required for credit courses.

CANCELLATION OF COURSE REGISTRATION POLICY

A department chairperson, upon recommendation of the instructor, may cancel a student's registration in any course offered in that department if the registered student fails to attend the first class meeting and fails to notify the department office of a desire to remain enrolled within 24 hours of the class time. This cancellation action will only take place when a course is fully enrolled and additional students are waiting to enroll. Students who wish to drop a class should not assume they have done so by not attending the first class, but should follow the normal drop/add procedures printed in the semester schedule.

The appropriate dean's office should notify the relevant department chairperson of late-arrival students who cannot attend the first class meeting because of illness or other reasons approved by a dean of the college, the professional schools or the dean of students.

If cancellation action is taken by a department chairperson, the registration openings resulting from this action will be offered to students seeking enrollment in the courses during the official drop/add period. Students who have been authorized to add a course should follow the normal drop/add procedures printed in the semester schedule.

Student appeals resulting from emergencies or other extenuating circumstances will be considered on a case-by-case basis in the appropriate dean's office.

CHANCELLOR'S ACHIEVEMENT AWARD

Students who complete a minimum of 15 semester hours with no grade lower than "A-" qualify for this award.

CHANGE OF MAJOR OR MINOR

For students assigned to Student Academic Support Programs for advising, all requests for a declaration of major or option, the declaration of a double major or the declaration of a minor in the College of Arts and Sciences must be completed in the Student Academic Support Programs office. For students beyond the Academic Support Programs, the change of major or option, the declaration of a double major, or the declaration or change of a minor in the College of Arts and Sciences or a professional school must be completed in the Office of the Registrar. The only exception is for students changing from one department in a professional school to another department in the same school. These requests must be completed in the office of the dean of that school. Students are advised to consult with their advisor in the original major before changing majors.

CHANGE OF NAME AND ADDRESS

It is the obligation of every student to notify the Office of the Registrar in writing of any change in name or of permanent mailing address. Documentation in the form of a valid driver's license or voter registration card is required.

CLASS ATTENDANCE

Students are expected to be present at all regular class meetings and examinations for the courses in which they are registered. All faculty members are responsible for setting policy

concerning the role of attendance in determining grades for their classes. It is the responsibility of the students to learn and comply with the policies set for each class for which they are registered.

CLASSIFICATION OF STUDENTS

Students are classified as freshmen, sophomores, juniors, and seniors. Semester hours passed are used to determine these classifications. In order to graduate in eight semesters, a student must average 31 hours each year.

The required number of hours passed for each classification is as follows:

Less than 27 semester hours credit – Freshman
From 27-58 semester hours credit – Sophomore
From 59-88 semester hours credit – Junior
More than 88 semester hours credit – Senior

DEAN'S LIST

To be included in the Dean's List at the close of each semester, students must meet one of the following criteria:

(a) Students carrying 12-14 hours must earn a quality point average of 3.50 or better with no grade less than B (3.00).

(b) Students carrying 15 hours or more must earn a quality point average of 3.20 or better with no grade less than B (3.00).

(c) Students participating in the Honors Program who are carrying 12-14 total hours but are not receiving a grade for the current semester of honors work shall be eligible for the Dean's List if their grade point average on the remaining 9-11 hours otherwise meets current standards for the Dean's List.

Students carrying 11 hours or fewer are not eligible for the Dean's List.

DEGREES WITH DISTINCTION

Three degrees with distinction are granted to graduating students based on all work attempted in meeting requirements for the degree as follows:

Cum Laude for an overall average or 3.50
Magna Cum Laude for an overall average of 3.70
Summa Cum Laude for an overall average of 3.90

Degrees with distinction are granted to transfer students under the following conditions:

(1) The student must have the required overall average on all work attempted (including all transfer courses attempted).

(2) The student must have the required average on work attempted at the University of North Carolina at Wilmington.

Students who complete the Departmental Honors Program satisfactorily will be graduated "With Honors" in the discipline in which the special work is undertaken.

Students who complete the University Honors Program will have the additional designation "University Honors."

DETERMINING ENROLLMENT STATUS

Because the university must officially respond to requests for a determination of a student's enrollment status from outside agencies as well as university offices, the following policy is provided:

UNDERGRADUATE—REGULAR TERM

Full-time status requires a minimum enrollment of 12 credit hours.
Half-time status requires a minimum enrollment of 6 credit hours.

UNDERGRADUATE—SUMMER SCHOOL

Full-time status requires a minimum enrollment of six credit hours per summer session.

Half-time status requires a minimum enrollment of three credit hours per summer session.

Enrollment status for determining financial aid eligibility is calculated across both mini sessions in the summer term.

FINAL EXAMINATION POLICY

University policy requires the scheduling of final examinations. Under this policy, the final examination schedule provides a three-hour period for each examination and allows a maximum of three examinations per day. The length of the final examination, up to a maximum of three hours, is at the discretion of the instructor.

The final examination schedule is published at the beginning of each semester. Courses offered during the day have final examinations during the day (two per day). Night courses have final examinations at night (one per night).

A student who is scheduled to take three final examinations in one calendar day may have one rescheduled by notifying the three instructors and the appropriate dean(s) of this desire at least two weeks before the beginning of the final examination period. It will be the responsibility of the three instructors, working with the student, to reschedule one of the examinations and so inform the student and the appropriate dean(s) at least one week before the beginning of the final examination period.

Rescheduling of a final examination for an entire class may be done only with the approval of the appropriate dean.

GRADE APPEAL PROCEDURE

Any student considering a grade appeal should understand that each faculty member has the academic freedom and responsibility to determine grades according to any method, chosen by the faculty member, which is professionally acceptable, communicated to everyone in the class, and applied to all students equally. However, prejudiced or capricious academic evaluation by a faculty member is a violation of a student's rights and is the valid ground for a grade appeal.

Any student who contests a course grade shall first attempt to resolve the matter with the instructor involved. Failing to reach a satisfactory resolution, the student may appeal the grade in accordance with the procedures outlined below. These procedures are not to be used in cases involving student academic dishonesty. An appeal must be made no later than the last day of the next succeeding regular semester.

1. The student shall present the appeal in writing to the chairperson of the department within which the contested grade was awarded. The written statement shall limit itself to citations of evidence pertaining to the valid ground for the appeal. By conferring with the student and the instructor, the chairperson will seek resolution by mutual agreement.

2. Failing such resolution the department chairperson shall transmit the written appeal to the appropriate dean who will convene the Grade Appeals Committee.

3. The Grade Appeals Committee shall consist of the convening dean and five faculty members appointed by the dean. If the committee affirms the instructor's decision, the dean will notify in writing the faculty member, the student, and the department chairperson as appropriate. If the committee supports the student's appeal, it shall prescribe the method by which the student will be reevaluated. The grade resulting from the prescribed reevaluation is final and may not be further appealed.

GRADES AND REPORTS

The University of North Carolina at Wilmington uses the quality point system and semester hour credit for calculating student achievement. Plus (+) or minus (-) grades may be awarded at the discretion of the faculty. Grade symbols used are the following:

Grade	Quality Points	
A	4.00	Excellent
A-	3.67	
B+	3.33	
B	3.00	Good
B-	2.67	
C+	2.33	
C	2.00	Average
C-	1.67	
D+	1.33	
D	1.00	
D-	0.67	Passing
F	0.00	Failure
I	0.00	Incomplete
W	0.00	Withdrawn
WF	0.00	Failure/Late Withdrawal
Z	0.00	Unreported Grade

The quality point ratio is determined by dividing the accumulated number of quality points earned by the accumulated number of quality hours. Hours for which a grade of "F" or "WF" has been assigned are included in this calculation.

At the discretion of the instructor, a student may be given a grade of Incomplete when the work in the course has not been completed for reasons beyond the control of the student. All incomplete grades must be removed according to a deadline established by the instructor, not to exceed one calendar year from the end of the semester in which the Incomplete was given, otherwise the "I" becomes "F." A student must not register for the class when attempting to remove a grade of Incomplete.

Grade reports are mailed to the student at the end of each semester.

IMMUNIZATIONS AND HEALTH FORMS

North Carolina General Statute 130A, 152-157, establishes specific immunization requirements for all students enrolled in N.C. colleges or universities. It is the responsibility of the Student Health and Wellness Center to monitor the immunization records of all students to ensure compliance with state law and university requirements.

All UNCW students are required to submit to the Student Health and Wellness Center a complete and up-to-date immunization record *prior* to registration.

Failure to comply with university immunization requirements will result in registration being canceled or blocked.

All UNCW students are required to meet the following requirements.

A. STUDENTS 17 YEARS OF AGE AND YOUNGER

REQUIRED:

3 DTP (Diphtheria, Tetanus, Pertussis) or Td (Tetanus-diphtheria) doses. One Td dose must have been within the last 10 years.
3 POLIO (oral) doses
2 MEASLES (Rubeola) doses on or after the first birthday*
2 RUBELLA doses **
2 MUMP vaccinations

B. STUDENTS BORN IN 1957 OR LATER AND 18 YEARS OF AGE OR OLDER.

REQUIRED:

3 DTP or Td doses. One Td dose must have been within the last 10 years.
2 MEASLES (Rubeola) doses on or after the first birthday*
2 RUBELLA doses**
2 MUMP vaccinations

C. STUDENTS BORN PRIOR TO 1957.

REQUIRED:

3 DTP or Td doses. One Td dose must have been within the last 10 years.
1 RUBELLA dose**, ***

* History of physician-diagnosed measles disease is acceptable.
** Physician-diagnosed rubella disease is not acceptable. Only laboratory proof of immunity to rubella is acceptable.
*** Rubella dose not required for students 50 years of age or older.

Health forms required for physical education participation will also be collected at SHWC.

INDEBTEDNESS

All indebtedness to the university must be satisfactorily settled before a diploma or transcript of record will be issued.

LATE REGISTRATION AND DROP/ADD

Late registration and drop/add occur during the first week of each academic term. The dates are limited to those announced in the university calendar of events and as announced by the Registrar's Office. During this period, late registration, drop/add and audit-only students are processed.

OFF-CAMPUS COURSES

Students may be permitted to earn credits toward degree requirements at UNCW through coursework at extension campuses and at other two- and four-year colleges and universities in the United States and abroad, as well as through correspondence courses. To receive permission, a student must complete the "Permission for Transient Study" form and obtain the approval of the student's department chairperson (or the director of the Center for Academic Advising) and dean prior to registering for the course. The permission form must be on file in the Registrar's Office prior to the student's leaving campus. [See also RESIDENCY REQUIREMENT.]

ORIENTATION

All new students (freshmen, transfers and unclassified) are required to attend an orientation program prior to the beginning of their first term. The purpose of orientation is to acquaint students with academic requirements, campus services, and involvement opportunities. During orientation, students are assigned an academic advisor, take placement tests as needed, and register for classes. Students are notified by mail of the time to report for the activities involved.

POLICY STATEMENT ON ILLEGAL DRUGS

Students, faculty members, administrators, and other employees of the University of North Carolina at Wilmington are responsible, as citizens, for knowing about and complying with the provisions of North Carolina law that make it a crime to possess, sell, deliver, or manufacture those drugs designated collectively as "controlled substances" in Article 5 of Chapter 90 of the

North Carolina General Statutes. A copy of this law is available in the following offices: Human Resources, Dean of Students, and Academic Affairs. Any member of the university community who violates that law is subject both to prosecution and punishment by the civil authorities, and disciplinary proceedings against a student, faculty member, administrator, or other employee will be initiated when the alleged conduct is deemed to affect the interest of UNCW.

Penalties will be imposed for violation of the policies of UNCW only in accordance with procedural safeguards applicable to disciplinary actions against students, faculty members, administrators, and other employees. The penalties that may be imposed range from written warnings with probationary status to expulsions from enrollment and discharges from employment. For more information, please refer to the Code of Student Life, The Code of the University of North Carolina (Section 603) and Personnel Procedure No. HR 6.10.

Every student, faculty member, administrator, and other employee of UNCW is responsible for being familiar with and complying with the terms of the policy on illegal drugs adopted by the Board of Governors of the University of North Carolina and the Board of Trustees of UNCW. A copy of the full text of that policy is available in the Office of Human Resources and appears below as well as in the *Code of Student Life,* and the *Faculty Handbook.*

Policy On Illegal Drugs

1. Introduction

The fundamental purpose of the University of North Carolina at Wilmington (UNCW) is to maintain an environment that supports and encourages the pursuit and dissemination of knowledge. That environment is damaged by illegal drug use. Therefore, all members of the academic community, students, faculty members, administrators, and other university employees, share the responsibility for protecting the environment by exemplifying high standards of professional and personal conduct.

2. Policy and Program

A. The illegal use, possession, sale, delivery and/or manufacture of drugs will not be tolerated and may be grounds for immediate suspension or dismissal of students, faculty members, administrators and other university employees.

B. UNCW policies and programs are intended to emphasize:
   1. The incompatibility of the use or sale of illegal drugs with the goals of the university.
   2. The legal consequences of involvement with illegal drugs.
   3. The medical implications of the use of illegal drugs.
   4. The ways in which illegal drugs jeopardize an individual's present accomplishments and future opportunities.

C. UNCW provides a systematic substance-abuse education and prevention program designed to reach all segments of the campus community. To assist in accomplishing this mission, the Center for Substance Abuse Education and Prevention has developed a well-integrated centralized program that is a focal point for campus substance-abuse education, training, and prevention which monitors the effectiveness of programs for constituencies served. This center provides substances-abuse counseling and referral services on campus and in the external community. It also provides consultative services to offices and agencies in the university environment and collaborates with the employee assistance coordinator in the University Personnel Office to develop counseling and referral services for faculty and staff desirous of seeking assistance off-campus. This Policy on Illegal Drugs is presented within the four areas of education, counseling and rehabilitation, enforcement and penalties, and assessment.

3. Education

UNCW provides a program of education designed to help all members of the university community avoid involvement with illegal drugs. Education programs:

A. Provide a system of accurate, current information exchange on the health risks and symptoms of drug use for students, faculty and staff.
B. Promote and support institutional activity programming that discourages substance abuse.
C. Establish collaborative relationships between community groups and agencies and the institution for education, treatment and referral.
D. Provide training programs for students, faculty, and staff to enable them to detect problems related to drug use, and to refer persons with these problems to appropriate assistance.
E. Include information about drugs for students and family members in the student orientation programs. The use of prescription and over-the-counter drugs will be addressed.
F. Support and encourage faculty in incorporating education about drugs into the curriculum where appropriate.
G. Develop a coordinated effort across campus for drug-related education, treatment and referral.

4. Counseling and Rehabilitation

A. UNCW provides information about drug counseling and rehabilitation services to members of the university community. Persons who voluntarily avail themselves of university services can be assured that applicable professional standards of confidentiality will be observed. Counseling and rehabilitation services include:
   1. Provision of training for professional staff and student staff on drug-abuse information, intervention and referral.
   2. Conducting education programs for students who have demonstrated abusive behavior with drug problems.
   3. Conducting individual and group counseling for members of the university community with drug problems.
   4. Conducting drug-abuse assessments.
   5. Coordinating referral and follow up of campus individuals and developing a referral and follow-up mechanism in collaboration with the employee assistance coordinator in the Personnel Office.
   6. Organizing campus self-help groups.
   7. Providing consultation, information and referral for students, staff and faculty with drug problems.
   8. Designing and developing referral opportunities for members of the university community who desire to seek professional assistance beyond the campus. This will be done in cooperation with the employee assistance coordinator in the Personnel Office.
   9. Providing with peer involvement a system of intervention and referral services for students, faculty and staff.

B. In providing the above prevention strategies, it is recognized that some campus constituents may prefer professional assistance external to the campus. Therefore, the campus community substance-abuse education and prevention program coordinator will collaborate with the employee assistance coordinator in the development of appropriate referral mechanisms for these individuals. A listing of off-campus resources for assistance and referral is available for those who choose that option. In the development of this program, it is desired that faculty, students, administrators and other employees be comfortable in the manner in which they are served and have a choice in the selection of appropriate assistance. Individuals served in the counseling program on campus can be assured that confidentiality will be maintained and that they will be served by professionals.

5. Enforcement and Penalties

A. Enforcement:

In seeking to enforce established university policy, the University of North Carolina at Wilmington will:

1. Publicize all drug policies.
2. Consistently enforce drug policies.
3. Exercise appropriate disciplinary action for drug policy violations.

B. Penalties:

UNCW shall take actions necessary, consistent with state and federal law and applicable university policy, to eliminate illegal drugs from the university community. University policy on illegal drugs is publicized in the university catalog, student and faculty handbooks, student orientation materials, letters to students and parents, residence hall meetings, and faculty and employee meetings.

Students and faculty members, administrators, and other employees are responsible as citizens for knowing about and complying with the provisions of the North Carolina law that makes it a crime to possess, sell, deliver, or manufacture drugs designated collectively as "controlled substances" in Article V, Chapter 90 of the North Carolina General Statutes. Any member of the university community who violates that law is subject to both prosecution and punishment by the civil authorities and disciplinary proceedings by UNCW. It is not "double jeopardy" for both civil authorities and the university to proceed against and punish a person for the same specified conduct. The university will initiate its own disciplinary proceedings against the student, faculty member, administrator, or other employee when the alleged conduct is deemed to affect the interest of the university.

Penalties will be imposed by UNCW in accordance with procedural safeguards applicable to disciplinary actions against students (see Code of Student Life, Section II), faculty members (see Policies of Academic Freedom and Tenure, UNCW, Section VII), and administrators and other employees (see Procedure No. HR 6.10 and Personnel Policies for Designated Employment Exempt from State Personnel Act-EPA Administrative Positions).

The penalties to be imposed by the university may range from written warning with probationary status to expulsion from enrollment and discharge from employment; however, the following minimum penalties shall be imposed for the particular offenses described.

1. Trafficking in Illegal Drugs
   a. For a first offense involving the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell or deliver any controlled substance identified in Schedule I, North Carolina General Statutes 90-89 or Schedule II, North Carolina General Statutes 90-90 (including, but not limited to, heroin, mescaline, lysergic acid diethylamide, opium, cocaine, amphetamine, methaqualone), any student shall be expelled and any faculty member, administrator, or other employee shall be discharged.
   b. For a first offense involving the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell or deliver, any controlled substance identified in Schedules III through VI, North Carolina General Statutes 90-91 through 90-94, (including, but not limited to, marijuana, pentobarbital, codeine), the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent. For a second offense, any student shall be expelled, and any faculty member, administrator, or other employee shall be discharged.

2. Illegal Possession of Drugs
   a. For a first offense involving the illegal possession of any controlled substance identified in Schedule I, North Carolina General Statutes 90-89, or Schedule II, North Carolina General Statutes 90-90, the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent.
   b. For a first offense involving the illegal possession of any controlled substance identified in Schedules III through VII, North Carolina General Statutes 90-91 through 90-94, the minimum penalty shall be probation for a period to be determined on a case-by-case basis. A person on probation must agree to participate in a drug education and counseling program, consent to regular drug testing, and accept such other conditions and restrictions, including a program of community service, as the chancellor or chancellor's designee deems appropriate. Refusal or failure to abide by the terms of probation shall result in suspension from enrollment or employment for any unexpired balance of the prescribed period of the probation.
   c. For the second or other subsequent offenses involving the illegal possession of controlled substances, progressively more severe penalties shall be imposed, including expulsion of students and discharge of faculty members, administrators, and employees.
3. Suspension Pending Final Disposition
   When a student, faculty member, administrator, or university employee has been charged by UNCW with a violation of policies concerning illegal drugs, he or she may be suspended from enrollment and/or employment before initiation or completion of regular disciplinary proceedings if, assuming the truth of the charges, the chancellor or, in the chancellor's absence, the chancellor's designee concludes that the person's continued presence within the university community would constitute a clear and immediate danger to the health or welfare of other members of the university community; provided that, if such a suspension is imposed, an appropriate hearing of the charges against the suspended person shall be held as promptly as possible thereafter.

6. Assessment

A. UNCW shall in its effort to continually assess the campus environment:
   1. Appraise the institutional environment as an underlying cause of drug abuse.
   2. Assess campus awareness, attitudes, and behaviors regarding the use of drugs and employ results in program development.
   3. Collect and use drug-related summary information from police and security reports to guide program development.
   4. Collect and use summary health, counseling, and client information to guide program development.
   5. Collect summary data regarding drug-related disciplinary actions and use it to guide program development.

B. Annually, the chancellor shall submit to the Board of Trustees a report of campus activities related to illegal drugs for the proceeding year. The report shall include the following:
   1. A listing of major education activities conducted during the year;
   2. A report on any illegal drug-related incidents, including any sanctions imposed;
   3. An assessment by the chancellor of the effectiveness of the campus program; and
   4. Any proposed changes in university policy on illegal drugs.

The chancellor shall provide a copy of this report to the president.

Rules of the State Personnel Commission govern the disciplinary actions that may be taken against SPA employees. Under current Commission regulations, discharge, rather that suspension, is the applicable penalty for SPA employees in those instances where this policy otherwise requires suspension.

PREREGISTRATION

Preregistration for students currently enrolled is held each semester at specified times. Prior to preregistration all students receive special instructions and preregistration materials in their student mailboxes. Students prepare a course program, submit it at an appointed time to their advisors for review, and complete the preregistration process. Students who complete preregistration and pay fees by the designated date are registered, except in the event that they are declared academically ineligible, at the end of the preceding semester.

PROGRESS TOWARD GRADUATION IN FOUR YEARS

To graduate in four years, the student must successfully complete all graduation requirements and an average annual course load of 31 semester hours. This course load requires the student to take approximately 15-16 hours per semester or earn hours through summer enrollment. Among the factors responsible for extending the time necessary to complete degree requirements beyond four years are a student's late decision to change majors, requiring additional course work; part-time employment while enrolled; family responsibilities; and unilateral decision to take fewer than the recommended average of 15.5 hours per semester.

REGISTRATION

Registration occurs immediately prior to each term and is limited to the time period specified in the university calendar of events and other days as announced by the Registrar's Office. This process is for students who did not preregister or are new to the university. Classes may not be added after the last day of registration. Degree students may take up to 18 hours without restriction. Students who have a cumulative quality point average of 3.50 may be allowed, with special permission of the appropriate dean, to carry a maximum of 21 semester hours.

RELEASE OF "DIRECTORY INFORMATION"

The University of North Carolina at Wilmington has routinely made public certain information about its students. Typically, UNCW releases the names of student who are selected by the various honorary societies, receive scholarships, make the Dean's List, hold offices, or are members of athletic teams. The annual commencement program publishes the names of persons who have received degrees from UNCW during the year.

The Family Educational Rights and Privacy Act defines the term "directory information" to include the following information: the students name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student. The university will make public information about each student limited to these categories in ways such as those described above. Of course, information from all these categories is not made public in every listing.

Students who do not wish to have any or all of such "directory information" made public without their prior consent must notify the Office of the Registrar of this fact in a signed and dated statement specifying items not to be published. This notice must be received by the Office of the Registrar by the end of the registration period for the semester or session of first enrollment or, after an absence, of re-enrollment and by the end of each fall registration thereafter.

Family Educational Rights and Privacy Act (FERPA)

Certain personally identifiable information about students ("education records") may be maintained at The University of North Carolina General Administration, which serves the Board of Governors of the University system. This student information may be the same as, or derivative of, information maintained by a constituent institution of the University; or it may be additional information. Whatever their origins, education records maintained at General Administration are subject to the federal Family Educational Rights and Privacy Act of 1974 (FERPA).

FERPA provides that a student may inspect his or her education records. If the student finds the records to be inaccurate, misleading, or otherwise in violation of the student's privacy rights, the student may request amendment to the record. FERPA also provides that a student's personally identifiable information may not be released to someone else unless (1) the student has given a proper consent for disclosure or (2) provisions of FERPA or federal regulations issued pursuant to FERPA permit the information to be released without the student's consent.

A student may file with the U.S. Department of Education a complaint concerning failure of General Administration or an institution to comply with FERPA.

The policies of The University of North Carolina General Administration concerning FERPA may be inspected in the office at each constituent institution designated to maintain the FERPA policies of the institution. Policies of General Administration may also be accessed in the Office of the Secretary of The University of North Carolina, General Administration, 910 Raleigh Road, Chapel Hill, NC 27515-2688.

Further details about FERPA and FERPA procedures at General Administration are to be found in the referenced policies. Questions about the policies may be directed to Legal Section, Office of the President, The University of North Carolina, General Administration, Annex Building, 910 Raleigh Road, Chapel Hill, NC (mailing address P.O. Box 2688, Chapel Hill, NC 27515-2688; telephone: 919-962-4588).

REPEATING OF COURSES

Students who receive a grade of "C-" or better in a course may not repeat the course but may audit without credit.

Students who receive a grade of "D" (including "D+" or "D-") or "F" in a course taken at UNCW may repeat the course at UNCW. The first five times a student repeats courses the previous grade and hours of credit for the repeated course will not be used in calculating the student's quality point average and hours toward graduation. All grades shall remain on the student's transcript.

In interpreting the policy it is to be understood that: (1) the term "first five times" means (a) that the policy is automatically operative for a student the first time that the student repeats a course and continues through the fifth time a student repeats a course, and (b) that the five repeats may involve five different courses or fewer courses repeated more than once; (2) a student may go beyond 5 course repeats, but such repeats will not enjoy the privilege of the policy; (3) all students will be able to enjoy the benefits of this policy irrespective of prior course repeat activity; (4) this policy does not govern the repeating of graduate courses (see the Graduate Catalogue for the appropriate policy).

This policy became effective beginning with the fall 1992 semester.

Note: A failing grade received owing to admitted or adjudicated academic dishonesty shall not be replaced if the course is repeated. Both the penalty grade and the new grade shall appear on the student's transcript and count in the student's grade point average. A student may not appeal the policy stated in this paragraph to any faculty or administrative level.

REQUIREMENTS FOR A DOUBLE MAJOR

A student may elect to major in two separate disciplines with the permission of the chairperson of each of the departments and on the condition that the student meets all requirements for each major. The student who completes requirements for more than one major will receive only one degree, but at the time of the initial graduation the record will indicate both majors when the completed requirements lead to the same baccalaureate degree.

A student who returns to the university after the initial graduation to complete the requirements for a second major may have the additional major added to the official record upon written notification from the department chairperson that all departmental requirements have been met satisfactorily. A new or replacement diploma will not be issued.

REQUIREMENTS FOR ANOTHER BACCALAUREATE DEGREE

A student with a baccalaureate degree from UNCW may receive another baccalaureate degree if it is a different degree and a different major by fulfilling the following requirements:

(1) The student must meet all the requirements for the second degree and major, including the current basic studies requirements.

(2) The student must have a minimum of 154 hours credit for a minimum of 30 hours in residence beyond the 124 required for the previous degree.

A student who will be awarded two baccalaureate degrees at the same time must meet all the requirements for both degrees and majors and must complete a minimum of 154 hours.

REQUIREMENTS FOR GRADUATION

Application for graduation must be filed in the Office of the Registrar on or before the dates specified in the university calendar. The graduation fee is $50.

Students may qualify for the bachelor's degree by completing successfully (1) the basic studies requirements, (2) an approved course of study in an academic major, (3) a minimum of 124 semester hours of credit, and (4) a minimum quality point average of 2.00. The final 30 semester hours of course credit, including the final 15 semester hours in the major, must be completed at the University of North Carolina at Wilmington.

Graduation will be certified at the end of the term in which all academic requirements are complete. Upon completion of all requirements, the student will receive either the Bachelor of Arts, the Bachelor of Science, or the Bachelor of Social Work degree.

In advising and registering students, the deans, the registrar and faculty advisors try to make certain that every student who intends to graduate from the university registers for those courses which are required for a degree. The student, however, must assume the final responsibility for meeting the graduation requirements set forth in the university catalogue.

A student who enrolls at the University of North Carolina at Wilmington during any academic year and who earns credit for work done during the year may graduate under the provisions of the entering catalogue or under any subsequent catalogue, provided all graduation requirements are completed within six years of the expiration date of the catalogue chosen.

RESIDENCY REQUIREMENT

The final 30 semester hours of course credit, including the final 15 semester hours in the major, must be completed at the University of North Carolina at Wilmington. Any exception to this requirement must be recommended by the appropriate dean for approval by the vice chancellor for Academic Affairs.

RETENTION, DISMISSAL AND RE-ADMISSION

The University of North Carolina at Wilmington both encourages and requires scholarship. In order to remain at the university, all students must meet the quality point requirements as outlined below.

RETENTION CHART

Total Quality Hours and Transfer Hours	Required Quality Point Average for Eligibility To Continue in the University	Warning
1-16	1.20	1.20-1.99
17-26	1.40	1.40-1.99
27-58	1.65	1.65-1.99
59-88	1.90	1.90-1.99
89 or more	2.00	

Transfer students are placed in the above retention chart based on total hours transferred from all institutions attended. Transfer students' quality point averages are computed only on quality hours attempted through the University of North Carolina at Wilmington.

Any student who does not meet the minimum quality point requirement for retention at the conclusion of the spring semester will be declared ineligible. The student will be allowed to make up deficiencies during this university's summer sessions which immediately follow the spring semester in which he/she was declared ineligible. If such deficiencies are not removed the student will be dismissed from the university for one semester. The student may re-enroll for any summer and fall semester if space is available. Applications for re-enrollment are available in the Admissions Office and should be filed as early as possible to ensure enrollment consideration.

A second academic dismissal is final unless eligibility for continued residence or for readmission is restored by completion of sufficient work during the summer sessions at the University of North Carolina at Wilmington.

Students may, through appropriate administrative review of mitigating circumstances, be authorized to continue with their studies on a conditional basis. Written permission must be obtained from the appropriate dean prior to the beginning of the semester in which such students wish to enroll.

STATEMENT OF UNIVERSITY POLICIES, PROCEDURES AND DISCIPLINARY ACTIONS IN CASES OF DISRUPTION OF EDUCATIONAL PROCESS

A policy statement was adopted by the Board of Trustees of the former consolidated University of North Carolina on October 26, 1970. It is set forth in Chapter V of the Code Provisions Governing the University of North Carolina, and is set forth in full in the *Student Handbook* and *Code of Student Life.*

STUDENT CONDUCT

The filing of an application of admission shall be construed as both an evidence and pledge that the applicant accepts the standards and regulations of the University of North Carolina at Wilmington and agrees to abide by them. Each student, by the act of registering, is obligated to obey all rules and regulation of the university catalogue and other university publications. The university reserves the right to ask for the withdrawal of any student who refuses to adhere to the standards of the institution.

STUDENT HEALTH INSURANCE

A university sponsored Student Group Health Insurance Plan is available at a reasonable rate. Contact the Student Health and Wellness Center or the Dean of Students Office for information. International students are required to purchase medical insurance prior to arrival.

TRANSCRIPTS

Transcripts are issued to students by the Registrar's Office. All requests for transcripts must be in writing and must include the student's signature. Valid picture ID is required for personal pick up of transcripts.

TRANSFER OF CREDIT

Students transferring to UNCW may receive up to 94 semester hours of academic credit from all institutions attended; however, no more than 62 semester hours can be transferred from two-year institutions. Correspondence courses (15 semester hours maximum), CLEP credit and military credit will be counted toward the total.

Credit earned at another institution with a grade of "C" (2.00) or better is accepted by the university if the work transferred is comparable to offerings of the University of North Carolina at Wilmington. The final 30 semester hours of course credit, including the final 15 semester hours in the major, must be completed at the University of North Carolina at Wilmington. Hours attempted and quality points earned at other institutions are not used in computing grade point averages except in the case of students applying to enter the nursing program and seniors graduating with honors and/or distinction.

TRANSIENT STUDY

See OFF-CAMPUS COURSES.

TUITION SURCHARGE

Effective fall 1994, all new undergraduates seeking a baccalaureate degree at the University of North Carolina at Wilmington will be subjected to a 25% tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110% of the required credit hours to complete an officially designated five-year program. For details concerning counted credit hours, students subject to the surcharge, students exempt from the surcharge, and the way that the surcharge is calculated, see the catalogue section on "Expenses," p.

WITHDRAWAL POLICY FOR UNDERGRADUATE STUDENTS

A student is allowed to withdraw from the university or from individual courses through the first week of the semester without having a grade entered on the academic record. Inclusive of the second through the sixth week of the semester, any student who withdraws from the university or from individual courses will receive a grade of "W". A grade of "W" will not affect the student's grade point average. Beginning with the seventh week of the semester, a grade of "WF" may be assigned for each course withdrawal and will count as hours attempted; this failing grade may be changed to "W" should extenuating circumstances warrant.

To withdraw from an individual class or classes, through the sixth week of classes, the student must report to the Registrar's Office before or on the last day for withdrawal, as indicated in the university calendar of events.

To withdraw from all classes and the university at any time during the semester, the student must process an official withdrawal form through the office of the dean who oversees the student's major. A student who is assigned to the Center for Academic Advising but who is identified as a

pre-major in a specific discipline must process the form in the office of the dean who oversees that discipline.

A student who is assigned to the Center for Academic Advising and who is not identified as a pre-major in either the Cameron School of Business Administration, the Watson School of Education, or the School of Nursing must process the form in the office of the dean of the College of Arts and Sciences. If the student is unable to appear in person to withdraw from all classes and the university, written notice must be sent to the appropriate dean's office.

Should extenuating circumstances warrant, the grade of "WF" assigned for course withdrawal after the withdrawal deadline may be changed to a "W". It is the student's responsibility to initiate an appeal for this change to be made. In the case of late withdrawals from individual courses, the student must initiate the appeal in the office of the dean who oversees the department or departments in which the course or courses are taught. In the case of late withdrawal from all courses, the student must initiate the appeal in the office of the dean stipulated in the above procedure for university withdrawal. The decision of the dean is final and must be rendered prior to the end of the semester in which the withdrawal occurred. A grade of "WF" that is not appealed successfully remains a permanent part of the student's academic record.

Students attending summer session need to be cognizant that the withdrawal period in summer may be only one or two days. Therefore, summer school students should carefully note the last day to withdraw from classes as printed in the summer school schedule of courses.

Student Life

STUDENT LIFE

DEAN OF STUDENTS

The Office of the Dean of Students serves as the primary focal point for addressing student needs, issues and concerns, and serves as a resource and referral office for all faculty, staff and students. Acting in an advocacy role, the dean and assistant dean of students represent the student perspective to the university community. This office works with all segments of the university to help students develop through opportunities, advice and assistance. Within the Student Affairs Division, the Office of the Dean of Students provides consultation, new program development, and assistance to the vice chancellor with special projects. Specifically, the office advises the Greek Affairs program, publishes the Student Handbook and Code of Student Life, administers the student judicial system, including violations of the Academic Honor Code; assists the Office of Affirmative Action in processing cases of discriminatory personal conduct, including sexual harassment; serves as the liaison to the Council of Campus Ministries; and coordinates with University Police all crisis intervention and emergency response strategies.

ART EXHIBITIONS

Monthly exhibitions of painting, sculpture and the graphic arts are held in the gallery-lobby of Kenan Hall. Student art is often featured. All exhibitions are open to the public without charge.

ASSOCIATION FOR CAMPUS ENTERTAINMENT

The Association for Campus Entertainment (ACE), coordinates the various student-produced events on campus. It provides a diversified schedule of programs, activities, and events that promote and provide opportunities for educational, social, and cultural growth for students and the campus community. ACE is comprised of the following committees: Arts/Lecture, Film-Video, Concert, Cultural Arts, Homecoming, and Special Events. The board is a member of the National Association for Campus Activities.

ATHLETICS

The university holds membership in the National Collegiate Athletic Association, Eastern College Athletic Conference, the Colonial Athletic Association, and the Big South Conference. Varsity intercollegiate teams are fielded for men in basketball, cross country, baseball, golf, soccer, tennis, swimming and diving, and track and field. Varsity intercollegiate teams for women are fielded in basketball, softball, tennis, track and field, volleyball, swimming and diving, golf, cross country, and soccer.

Mission Statement

The mission of the Department of Athletics, based on and consistent with the purpose of the university, is to encourage student scholarship and sportsmanship with emphasis placed on helping students make appropriate progress toward completing their chosen academic degree program. Academic integrity is a basic element of all athletic programming decisions. This ensures that the educational values, practices and mission of UNCW set the standards for the program. UNCW's Athletic program is characterized by its quest for student excellence not only in competition, but also and especially in the academic setting. The university is committed to continually improving this program which is an integral part of campus life and one of several university focal points for building student and regional involvement and support. Athletics provides opportunities for students to utilize their athletic skills through competition at the appropriate intercollegiate level and to have the university represented by men and women whose conduct and sportsmanship reflect positively on the institution. It seeks to field disciplined and competitive athletic teams dedicated to observing all applicable rules and to provide superior

trainer and medical support to all intercollegiate athletes. Athletics also works to foster a sense of personal responsibility by all who attend athletic events. The program insists upon a high moral code of honor and respect from each of its athletes and personnel and adheres to all the policies, rules and guidelines of the National Collegiate Athletics Association and the Colonial Athletic Association. UNCW's athletic program is committed to complying with Title IX regulations and the promotion of affirmation action goals.

CAMPUS ACTIVITIES

The Campus Activities Office enhances the university experience of students by engaging them in developing and participating in social, cultural, leisure, multicultural, intellectual, and campus governance programs. Through the diverse programs, students learn about varied cultures, ideas, issues, and art and musical forms. These activities are planned collaboratively by students and staff to support the mission of the university, including complementing and reinforcing the academic programs, retaining students, strengthening campus and community relations, and reflecting and promoting the diversity of students' needs and interests. Arts-in-Action, UNCWeekends, Welcome Week, and the Intercultural Festival are examples of these efforts.

CAMPUS RECREATION

The Office of Campus Recreation organizes and administers a variety of recreational services that are either structured or self-directed and enhance the overall wellness of the university community. The primary goal of the program is to provide for quality recreational experiences within the university environment and direct this toward the individual's physical, cognitive and social life thus enhancing the educational experience. This goal is accomplished by offering a wide variety of recreational activities, conducting educational workshops and providing professional training for student employees. The Office of Campus Recreation provides a multi-faceted program which includes: Heart and Sole Fitness programs, Intramural activities, Discover Outdoor programs, sport clubs and special events. Campus Recreation at UNCW takes a "something for everyone" approach.

COUNSELING SERVICES

The Student Development Center provides confidential and group counseling for personal, social, or education concerns, as well as regularly schedules workshops on such topics as personal growth, test anxiety, and stress management. As part of the university substance abuse education and prevention program, the center also provides substance abuse assessment, referral, and treatment for students. The center also provides supervision for Disabled Student Services. For additional information, see the section on "STUDENT SUPPORT OFFICES AND SERVICES" elsewhere in this catalogue.

DISCOVER OUTDOOR CENTER

Discover Outdoor Programs, the outdoor adventure component of the Office of Campus Recreation, provides opportunities for the UNCW community to participate in exciting, meaningful, and educational outdoor pursuits. Participants in Discover programs practice and experience leadership, trust, communication and teamwork while having an opportunity to gain healthy life long leisure skills. Programs offered through Discover include: The Discover Outdoor Center, adventure trips, the UNCW Challenge "Ropes" Course, outdoor equipment rentals, clinics, and workshops.

FOOD SERVICE

The UNCW Food Service operation is committed to providing quality food products served in clean and comfortable facilities. The program is available to all students, faculty, and staff seven days a week when classes are in session. Wagoner Dining Hall, built in 1989, is a modern 600-seat facility that serves unlimited seconds on every meal. Cash operations include: The Hawk's Nest, located in the University Union; a pizza delivery program; and a convenience store located in Apartment Building M.

Information about commuter student meal plans is available at the Auxiliary Services Office in the Burney Student Support building. Telephone (910) 962-3560.

HONOR SOCIETIES AND AWARDS

Phi Alpha Theta International Honor Society in History

Phi Alpha Theta is an honor society recognizing excellence in the field of history. It was founded at the University of Arkansas on March 14, 1921. The UNCW Chapter was commissioned on March 18, 1992, making it one of nearly 700 chapters throughout the world. Membership requirements are the completion of at least 12 hours of work in history with better than a "B" average and a "B" in two-thirds of the remaining course work. The society publishes the quarterly journal *The Historian*.

The Honor Society of Phi Kappa Phi

Phi Kappa Phi is an honor society recognizing excellence of scholarship in all academic disciplines. A member of the association of College Honor Societies, it was founded at the University of Maine at Orono in 1897 and numbers about 250 chapters nationwide. Chapter Number 222 at the University of North Carolina at Wilmington was chartered on May 1, 1980.

Seniors and second semester juniors are elected to membership based on integrity of character and class standing. The GPAs necessary for election to Phi Kappa Phi for second semester juniors, first semester seniors and second semester seniors are 3.75, 3.69, and 3.60, respectively.

Phi Eta Sigma National Honor Society

Phi Eta Sigma is a national college scholastic honor society for freshmen. A member of the Association of College Honor Societies, it was founded at the University of Illinois on March 22, 1923. The University of North Carolina at Wilmington Chapter of Phi Eta Sigma was chartered on March 17, 1979.

The goal of Phi Eta Sigma is to encourage and reward high scholastic attainment among freshmen. At the close of their first academic year, freshmen are eligible for membership if they have a cumulative grade point average of 3.5 or better with no grade lower than "C" on 30 hours or more course work at UNCW.

Sigma Delta Pi, National Collegiate Hispanic Honor Society

Sigma Delta Pi is a national collegiate honor society for students of the Spanish language and Hispanic literature and culture. A member of the Association of College Honor Societies, it was established at the University of California, Berkeley, on November 14, 1919. The Rho Lambda Chapter of Sigma Delta Pi was chartered at the University of North Carolina at Wilmington on April 22, 1988.

The primary purpose of Sigma Delta Pi is to encourage and honor those who seek and attain excellence in the study of Hispanic language, literature and culture.

Psi Chi National Honor Society in Psychology

Psi Chi is the national honor society in psychology. It was founded in 1929 in New Haven, Connecticut, to encourage, stimulate and maintain excellence in scholarship, and to advance

the science of psychology. Psi Chi is an affiliate of the American Psychological Association and a member of the Association of College Honor Societies. The University of North Carolina at Wilmington Chapter of Psi Chi was chartered on May 1, 1981, and is one of approximately 675 chapters nationwide.

Hoggard Medal For Achievement

A medal, presented through the generosity of the late Dr. John T. Hoggard, is awarded annually to the graduating senior who, in the opinion of the faculty, has shown the most improvement during his or her years at the university. The medal is presented each year at commencement.

Alumni Association Scholastic Achievement Award

The Alumni Association of the University of North Carolina at Wilmington each year at commencement presents an award to the senior who has attained the highest academic average in the graduating class while attending UNCW for all of his/her undergraduate work.

William A. Bryan Senior Leadership Award

The Leadership Center with the support of the Alumni Association sponsors the William A. Bryan Senior Leadership Award. The award is given to a senior with a cumulative GPA of 3.0 who has demonstrated outstanding leadership on campus and/or in the community. The award is offered yearly at the May commencement for seniors graduating in May, August, or December of the current year.

Adrian D. Hurst Award

Established by Adrian D. Hurst, emeritus professor of mathematics, this award recognizes a UNCW junior or senior math major who has achieved the highest overall academic grade point average. The award is presented each spring in the form of a plaque.

Biological Sciences Achievement Award

This award was established by the faculty of the Department of Biological Sciences to honor annually the graduating senior biology major who has achieved the highest academic standing. The recipient is identified on a permanent plaque in Friday Hall.

The Walter Schmid Physics Award

This award has been established in honor of the late Walter Schmid, engineer and inventor, to reward a senior bachelor of science physics major for excellence in physics. The award consists of an engraved plaque and a physics encyclopedia.

HOUSING AND RESIDENCE LIFE

The Office of Housing and Residence Life is responsible for the development of educational, cultural and social programs to enhance student life on campus. The goal of the Housing and Residence Life program is to create an environment conducive to academic pursuits and the personal growth of resident students. Over 45 Residence Life staff are responsible for the supervision of resident students in the residence halls, on-campus apartments, and suite-style buildings.

The university has residence hall facilities for approximately 1,900 students in five modern, conveniently located residence halls, 13 apartment buildings, and seven suite-style buildings. All rooms are air-conditioned and furnished, and laundry facilities are available. The Residence Life program offers opportunities for student employment and leadership positions through hall governance. Students living on campus are required to participate in the university dining hall program.

HUNDLEY WELLNESS PROMOTION CENTER

The Hundley Wellness Promotion Center is the wellness educational outreach program of the Division of Student Affairs. The center is designed to promote, support and affirm healthy living behaviors among campus community members. Services of the Hundley Wellness Promotion Center focus on assisting students in acquiring and implementing skills needed to enrich their collegiate experience and improve the quality of their lives now and in the future. These services encompass health education programs; alcohol, tobacco, and other drug education; and sexual assault education (under the name of Reach Out!). The Hundley Wellness Promotion Center offers educational programs and services, training and consultation services, a resource library and a peer education program addressing a wide range of topics including: nutrition, healthy relationships and sexual health, alcohol and other drug use, and sexual violence.

I.D. PLUS

UNCW I.D. Flex account permits students to make purchases using their UNCW I.D. at a variety of locations campus. Flex can be used in all food service locations, vending machines, bookstore, copying machines, pharmacy, and laundry equipment in the residence hall area. There is no minimum deposit required and your deposit can be made in the Auxiliary Services Office in the Burney Student Support building as well as the Circulation Desk in the UNCW library.

INTERNATIONAL STUDENT ORGANIZATION

The International Student Organization is a support group, a social network, and a promoter of international programs. The group consists of American students who have traveled and studied abroad and international students who are enrolled at the university. The organization hopes to foster an international presence on the campus and to help international students become familiar with American culture, the local area, and university life.

LEADERSHIP CENTER

Since leadership and action in our democracy occur in groups of individuals working toward common goals, the Leadership Center is designed to nurture people who serve in leadership and participant roles. The Leadership Center's ultimate mission is to create a dynamic process that encourages students to improve the quality of life as active citizens during and after the college experience.

The Leadership Center represents an ever-evolving, highly experiential alliance between the academic programs and the Division of Student Affairs. The Leadership Center's programs promote self-awareness, leadership development, organizational excellence, appreciation of diversity, and recognition that global issues and concerns are part of a dynamic, interrelated system. Through innovative and collaborative efforts with students, faculty, staff and community leaders, students recognize the proactive roles they can play as leaders by cultivating the strengths within themselves and others.

MEDIA AND PUBLICATIONS

The *Seahawk*, the student newspaper, is published weekly. Its staff is composed entirely of students.

The *Atlantis*, a literary magazine, is published by students each spring.

The *Student Handbook and Code of Student Life* is the primary source of information regarding university regulations and campus life.

WLOZ, the campus cable radio station, is completely run by students. The station broadcasts daily.

MINORITY AFFAIRS

The Office of Minority Affairs is responsible for providing activities, programming, and educational experiences that promote the academic and personal growth and development of minority students. Through the efforts of this office, minority students have additional avenues that lead to inclusion and involvement in the total university community. The main functions of this office include management of the African-American Cultural Center and sponsorship or participation in programming such as orientation, Minority Visitation Day, workshops, the Minority Mentor Program, a tutorial referral service and other activities that focus on various ethnic populations.

PERFORMING ENSEMBLES IN MUSIC

Membership is open to any student who has had instrumental or vocal experience, with the approval of the director of the particular ensemble. Any participant may earn credit. Participation by non-music majors may be supplemented by private lessons, also for credit. Participation in either a vocal or an instrumental organization is required of all music majors.

Instrumental Ensembles

The UNCW Wind Ensembles is organized each semester to provide instrumental music experience for those students who desire it. The Wind Ensemble presents at least two concerts per year.

The UNCW Jazz Ensembles perform several concerts on and off campus each semester and perform an annual guest artist spring concert. Development of performance in the jazz idiom is stressed. These groups are open to any student who has had instrumental experience and the approval of the instructor. Auditions for each group are held at the beginning of each semester.

The Wilmington Symphony Orchestra, Inc., rehearses on campus and UNCW students may enroll and receive credit for participating in this group.

Faculty, student and senior recitals are presented free of charge and are open to the public as well as to all students.

The music division also maintains an Electronic Music Studio.

Vocal Ensembles

The University of North Carolina at Wilmington Concert Choir is organized each semester to provide vocal musical experience for those students who desire it. Membership is open to any student in the university, with the approval of the director, and any participant may earn credit. Participation by non-music majors may be supplemented by private lessons, also for credit.

The University Concert Choir and small ensemble, The Chamber Singers, regularly provide music for university functions, appear on radio and television, and act as ambassadors from the university at a wide spectrum of community functions.

The UNCW Concert Choir's yearly activities have included at least two on-campus concerts and an extensive tour during the spring holidays. On occasion, the choir has participated in large, joint stage productions of opera and musical comedies with the drama division.

PHARMACY

The UNCW Pharmacy is located off the lobby upstairs in Westside Hall. Students may fill prescriptions from any provider and may purchase a variety of over-the-counter medications. Crutches are also available for rental. The telephone number is (910) 962-3016.

STUDENT GOVERNMENT ASSOCIATION

The core of student life at the university is the Student Government Association. Officers, class senators, and at-large representatives are elected by the student body.

The association is a democratic organization, permitting expression of student opinion, working for the best interest of the university and upholding a high standard of morals and conduct. Student activity fee money supports the Student Government Association in its objectives and activities.

Services such as legal services, recycling, and organization funding are primary components of the comprehensive SGA program. The association is a member of the North Carolina Association of Student Governments.

STUDENT HEALTH AND WELLNESS CENTER

The Student Health and Wellness Center (SHWC), located on the second floor of Westside Hall, is open 8 a.m. to 5 p.m., Monday through Friday. (Summer hours may vary.)

Services include the confidential diagnosis and treatment of general and acute medical problems, allergy injections, immunizations to meet university requirements, laboratory services, sports medicine clinic, and contraceptive counseling and examinations. Counseling for weight control, nutrition, smoking cessation, sexuality issues, and referrals to specialists or specialized services are also available as needed. There is a nominal charge for some of these services over and above the health fee.

The health fee is included in student fees and entitles students taking nine or more credit hours to health services. Students taking less than nine hours will be entitled to health services upon payment of the health fee.

The Student Health and Wellness Center does not issue excuses for class absences due to illness.

STUDENT ORGANIZATIONS

Over 130 social, academic, special interest, and service organizations enhance student life at UNCW. National sororities and fraternities are established on the campus to recognize students for their leadership and service activities. Several departments in the university have locally and nationally organized groups to stimulate interest in specific areas, recognize academic achievement, and develop professional attitudes. Special-interest groups address a variety of subjects, including political, religious, sports, and professional interests. Students are encouraged to contact the Leadership Center in the Union, Room 212, for specific information relative to any student organization.

UNCW VOLUNTEERS

UNCW Volunteers, located in the Leadership Center in the University Union, helps students, faculty and staff locate volunteer opportunities in New Hanover County. The emphasis is on learning leadership through serving.

UNIVERSITY INFORMATION CENTER

The Information Center, located on the first floor of the University Union, provides a variety of information about campus, student and community activities, as well as campus telephone numbers. The center also provides discount movie ticket sales, concert and event ticket sales, campus lost and found, magazines and newspapers, umbrella check-out, locker rentals, vending machine refunds, change, and after-hours FAX service.

UNIVERSITY POST OFFICE

UNCW Postal Services operates a U.S. Post Office contract station located in the University Center. A variety of mailing services are provided, including postage sales, money orders, mailing supplies, and Express Mail service. In addition to postal services, a FAX service is available for sending and receiving FAX transmissions. All services are available Monday through Friday from 8:30 a.m. to 4:30 p.m. at the post office window.

Student Mail

Every student enrolled at UNCW is issued a post office box for their personal and university correspondence. **All university correspondence, with the exception of tuition bills and grades, is mailed to this box.** Students are asked to check their boxes regularly as mail is distributed Monday through Friday by 1 p.m.

Post office box combinations are available at the post office window at no charge. Students who need assistance opening mail boxes should contact the post office window staff.

UNIVERSITY READERS THEATRE

The University Readers Theatre provides students with an opportunity to participate in both the performance and technical production of a readers theatre script. Students attend open audition and may take part in the reading, publicity, lighting, set design and managing of the show.

One major production is usually presented each semester. During semesters when the readers theatre course is offered, class members of that course will comprise the University Readers Theatre troupe. Interested students may inquire further at the Fine Arts Department.

UNIVERSITY THEATRE

The University Theatre is a student-oriented theatre dedicated to the continuing development of all theatre practitioners. It strives to produce a total theatrical experience to support the educational, creative, and recreational potential of a campus-based theatre.

Two major productions are presented each semester, with student productions presented on demand. Participation is not limited to dramatic art students, but is open to all university personnel and community residents.

UNIVERSITY UNION/UNIVERSITY CENTER

Student life is enriched at the University of North Carolina at Wilmington by a broad spectrum of activities, most of which occur in or around the University Union and University Center. The union is a 53,000-square-foot facility which houses student organization offices, conference rooms, lounges, study areas, the Hawk's Nest snack bar, rental lockers, the University Information Center, art exhibit space, and an assortment of student services.

Across the street from the union is the 43,000-square-foot University Center, with the U.S. Post Office, automatic teller machines, recreation and games facilities, lounges, the Center Stage Cafe, ballroom, Discover Center, and space for large and small events.

With the guidance of the Union's Office of Campus Activities, students are provided opportunities to plan, execute, attend, and evaluate a wide variety of programs and activities. With the guidance of the Union's Leadership Center, student leaders and their organizations are provided activities which assist them in attaining, refining and using good leadership skills. With the belief that education is not bound to the classroom, it is the union department's goal to educate, entertain and enlighten the university community, while providing a laboratory for student growth and an arena for development of cultural, social, recreational and leadership awareness.

Student Support Offices and Services

STUDENT SUPPORT OFFICES AND SERVICES

STUDENT AFFAIRS SUPPORT SERVICES

The central purposes of the Division of Student Affairs are facilitating student development and offering educational programs and services that stimulate the learning process. As a partner in the educational mission of the university, the Student Affairs professional promotes an environment conducive to growth and discovery. The Division of Student Affairs supports and complements the academic program through its commitment to the total development of students by contributing to their physical, occupational, social/environmental, intellectual, spiritual, and emotional growth. For additional information, see the section on "STUDENT LIFE" elsewhere in this catalogue.

CAREER SERVICES CENTER

The central purpose of the Career Services Center is to prepare students for the transition from the university to the world of employment. The Career Services Center advises and counsels freshmen and sophomore students so as to facilitate self- assessment, values clarification and acquisition of occupational data which lead to reasonable choices of academic majors; provides juniors and seniors with opportunities for experiential learning and development of knowledge of the relationship of academic majors to specific occupations; prepares graduating seniors to be successful job applicants by assisting them in fusing their academic and co-curricular experiences into successful job search campaigns; and, finally, coordinates the best efforts of students, employers, faculty, and staff to develop graduates into competitive job candidates, or focused graduate and professional school students.

DISABLED STUDENT SERVICES

The Disabled Student Services (DSS) of the Student Development Center assists in providing academic accommodations appropriate to the specific needs of disabled students. Areas of assistance include tutoring, extended time testing, note-takers, taped texts, and registration assistance. Students needing accommodations should return the supporting needs form to Disabled Student Services at Westside Hall as soon as possible in order to provide ample planning time. The Disabled Students Services office is available for consultation and advocacy.

MINORITY AFFAIRS

The Office of Minority Affairs provides a tutorial referral service and educational experiences that foster the inclusion of various ethnic populations on campus into the total university community. For additional information, see the section on "STUDENT LIFE" elsewhere in this catalogue.

STUDENT DEVELOPMENT CENTER

The Student Development Center administers the national testing program, including the GRE, GMAT, NTE, MAT, CLEP, and LSAT. It also schedules workshops on learning-related concerns and supervises the Disabled Student Services (above) and the Hundley Wellness Promotion Center. For additional information, see the section on "STUDENT LIFE" elsewhere in this catalogue.

STUDENT HEALTH AND WELLNESS CENTER

For a description of the services provided by this center, see the section on "STUDENT LIFE" elsewhere in this catalogue.

STUDENT ACADEMIC SUPPORT PROGRAMS

Yousry Sayed, *director*

The University of North Carolina at Wilmington is committed to helping students achieve academic success. Student Academic Support Programs (SASP) is responsible for many of the programs and services that help students make a smooth transition to the many challenges of the academic world. Included in SASP are the Center for Academic Advising, The Learning Center, Minority Student Retention and Academic Enrichment, Athletic Academic Support, and coordination of University Studies courses.

CENTER FOR ACADEMIC ADVISING

The Center for Academic Advising (CAA) serves as the academic home for students during their first and possibly second year of study at the university. The center is staffed full time with professional advisors and faculty members who represent the College of Arts and Sciences, Watson School of Education, School of Nursing, and the Cameron School of Business Administration. The CAA advisors provide the students personal guidance and encouragement in selecting courses, maintaining required scholastic standards, and planning a complete educational program. Advisors also assist with the registration process and promote a timely plan toward graduation. The CAA encourages students to undertake a rigorous academic load and provides a four- year/eight-semester plan for each major offered by the university. The Center for Academic Advising works with other offices to coordinate support for all students including minority students and student athletes.

The advising process begins with summer or fall orientation and continues for two semesters of pre-registration activity or until a major is declared. Students are encouraged to work closely with their advisors, who monitor drop/add, mid-semester progress, and end-of-semester grades. Students are ultimately responsible for their academic progress and performance; however, the CAA seeks to ensure that every student makes a successful transition to academic life. As part of this goal, the CAA promotes the Freshman Seminar and Learning Center to improve college-level study skills, time management, awareness of university resources, and other aspects of college life.

Several intervention programs are also offered. The Successful Educational Achievement Plan, or S.E.A.-PLAN, is designed for students placed on academic warning after the fall semester. Individual meetings with advising staff focus on the development of a contract to assist the students in meeting required academic standards. Referrals to appropriate offices for academic assistance and follow-up meetings to discuss grade reports with advisors are all part of the plan. A similar summer program is provided to aid those students who are academically ineligible.

THE LEARNING CENTER

The Learning Center is available to all UNCW students who wish to improve their ability to study more systematically and efficiently and to excel academically. The center has five programs: Tutorial Assistance, the Writing Place, Academic Reading, the Math Lab, and Supplemental Instruction.

Tutorial Assistance

Tutorial assistance is available in all courses; however, it is not provided as a substitute for class requirements or poor class attendance. Tutoring sessions focus on the acquisition of systematic study skills as well as effective mastery of course content. Learning Center tutors are carefully selected for their expertise in particular subject areas and receive training to enhance their tutoring skills. Since the Learning Center is committed to continuous communica-

tion between instructors and tutors, it employs only tutors who are recommended by faculty members in the appropriate disciplines. Students typically agree to meet with tutors on a regular basis early in the semester and work toward eventual self-directed independence from tutoring.

The Writing Place

The major goal of the Writing Place is to help students develop or improve their writing skills in all courses. Writing Place consultants want students to understand that there are various approaches to writing assignments, and that the composing process is recursive and is based on a series of options that the writer controls. The Writing Place helps students mature as writers and encourages them to become self-sufficient. The consultants show students how to handle the challenges of writing, proofreading, and editing their papers. Periodic help sessions on style, technical control, and documentation are scheduled throughout each semester.

Academic Reading Program

The Academic Reading Program presents effective approaches to reading for increased comprehension and retention of academic text material as well as thinking critically about the material read. Consultants present critical reading and study skills techniques during individual conferences. This approach encourages students to read actively and think critically. Students may also avail themselves of an extensive library of self-paced reading and study skill development materials. Periodic workshops are scheduled in the following areas: time management, critical reading approaches, note taking, textbook study strategies, memory improvement, and preparation for objective and essay tests.

The Math Lab

The purpose of The Math Lab is to help students make the transition from high school level mathematics courses to college level mathematics courses. Students may receive help with note-taking skills, how to approach math assignments, problem-solving techniques, summary techniques and studying for math exams as well as assistance with solving specific problems. Math Lab consultants do not work homework problems for students, but rather show them how they can learn to approach and solve problems on their own. The Math Lab staff strives to help students become independent thinkers and learners; students are encouraged to form study groups with others enrolled in the same course. Students should check The Math Lab bulletin board for announcements about workshops on learning/study skills, specific course review sessions, and new materials and software. Other services and resources include diagnostic and placement testing, mathematics computer software and videotapes to support various courses, and reference textbooks. Students can use The Math Lab on a drop-in basis or may schedule an appointment for more individualized assistance.

Supplemental Instruction

The Supplemental Instruction (SI) program brings emphasis on learning/study skills into the classroom. SI targets high-risk courses and integrates how-to-learn with what-to-learn. Informal SI meetings are out-of-class, peer-facilitated sessions during which student groups learn to integrate course content with reasoning skills. Three to five one-hour sessions each week are typically conducted by trained SI leaders who have been recommended by faculty members. The SI leader attends all classes, does all assignments, and conducts the SI sessions to help students perform better in the course. Available SI classes are announced during pre-registration periods and at the beginning of each semester. All SI sessions start the first week of classes and follow a regular schedule each week throughout the semester. Attendance is voluntary, but students are encouraged to attend regularly throughout the entire semester. SI is designed to

help improve student performance through regular attendance at SI sessions, not by attending one session before a test or quiz.

National data show that students who participate in SI sessions earn one-half to one letter grade higher than students who do not attend SI sessions and withdraw less often than non-SI participants.

MINORITY STUDENT RETENTION AND ACADEMIC ENRICHMENT

The Minority Student Achievement and Academic Enrichment Program is designed to be an integral part of a student's educational program. The purpose of the program is to improve the matriculation, retention, and graduation rates of students of color. A primary focus of the program is to equip students with strategies for problem solving, personal development, and academic success. Academic services are developed, implemented, and coordinated to foster a favorable institutional climate. The program seeks to enrich and expand classroom learning by enabling students to gain better understanding of themselves and the university. The ultimate goal of the program is to help students acquire a broad vision, recognize and cope with complex social problems, and appreciate achievement in a diverse society.

ATHLETIC ACADEMIC SUPPORT

The Athletic Academic Support office seeks to help student athletes successfully balance the sometimes conflicting demands of academic and athletic responsibilities. It is recognized that a student athlete can benefit from a variety of services designed to promote timely progress toward graduation. This office, in conjunction with other campus offices, helps students to meet their individual academic and social needs.

After the admissions process is completed, the office of Athletic Academic Support assists students with registering, selecting a major field of study, applying for academic scholarships, and arranging tutorial assistance, and monitors degree progress, grades, and class attendance. Once a student has declared a major, the office continues to monitor academic progress in conjunction with the student's faculty advisor.

Central to the role of this office is maintaining a strong working relationship with the university's Athletic Department and the individual coaches. The staff is knowledgeable about NCAA academic rules that apply to eligibility for practice and competition and is responsible for abiding by NCAA, CAA and institutional regulations (see following section). In addition, this office is available for consultation when unusual or difficult academic rule interpretations are needed. Additionally, the staff plays a key role in the athletic/academic certification process for all student athletes.

Athletic Academic Eligibility Requirements

The Academic Athletic Support program helps to monitor the academic progress of each student athlete as it relates to NCAA, CAA and institutional rules and regulations. The following are examples of rules applying to a student's academic progress:

- Students must be enrolled in no fewer than 12 semester hours (full-time) during the fall and spring semesters to be eligible for practice, competition and financial aid
- Students must earn or average no fewer than 24 applicable semester hours during a calendar year of which 18 must be during the academic year
- Before the beginning of the third year (fifth semester) of enrollment, each student must designate or declare a major field of study and make satisfactory progress toward that degree
- Students must meet UNCW and NCAA minimum cumulative grade point averages in order to compete
- In order to determine athletic eligibility, all freshman students must be approved through the NCAA Initial-Eligibility Clearinghouse

A number of other policies affect a student athlete's participation in a sport. Additional information can be found in the *Student Athlete Handbook.*

UNIVERSITY STUDIES

University Studies courses are graded, credit-bearing courses offered through Student Academic Support Programs and taught by selected faculty and staff members. All courses are designed to assist students in making a successful adjustment to their new academic environment and to build a strong foundation for their success in other courses. For a listing of these courses, see "University Studies" in the "COURSE DESCRIPTIONS" section of this catalogue.

Academic Programs

ACADEMIC PROGRAMS

The University of North Carolina at Wilmington offers four-year programs leading to the Bachelor of Arts, the Bachelor of Science and the Bachelor of Social Work degrees. Graduate programs lead to the Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of School Administration, Master of Science, and Master of Science in Accountancy degrees. Professional undergraduate programs include those offered in the Cameron School of Business Administration, the Watson School of Education, the School of Nursing and the Medical Technology program in the College of Arts and Sciences. Pre-professional programs are offered in agriculture and forestry, allied health, health-related careers, dentistry, law, medicine, optometry, pharmacy, physical therapy, podiatry and veterinary medicine. The university offers special programs in marine sciences and environmental studies, as well as a number of opportunities for students to enrich their course of study throughout their academic careers as undergraduates.

BASIC STUDIES REQUIREMENTS

Basic Studies at the University of North Carolina at Wilmington is defined as the acquisition of essential skills and an introduction to the broad spectrum of studies which are basic to our intellectual and cultural heritage. The program is designed to develop skills in comprehension, composition, reasoning and analysis; to introduce students to the structure, methodology and knowledge of academic disciplines; and to address important human concerns from disciplinary or interdisciplinary perspectives.

To qualify for the bachelor's degree from the University of North Carolina at Wilmington, all students must acquire a total of 45 semester hours less exemptions.

A. Freshman Composition (6 hours)
Required: ENG 101 and 102

B. Physical Education (2 hours)
Required: PED 101

C. Humanities (12-18 hours)
Required: A minimum of 12 and a maximum of 18 hours elected from the following four categories with a minimum of three hours in each category.

1. Literature (3-9 hours)
   ENG 110, 209 (CLA 209), 210 (CLA 210), 211, 212, 219, 223, 224, 225, 226, 230, 232, 233, 250, 290
   CLA 209 (ENG 209), 210 (ENG 210)
   FRH 209, 321, 322
   GER 209, 321, 322
   SPN 209, 210, 321, 322
2. History (3-9 hours)
   HST 101, 102, 103, 201, 202, 237, 261, 273, 275
3. Philosophy (3-9 hours)
   P&R 101, 103, 115, 125, 201, 202, 205, 215* or 216* or 217*, 230, 232, 235, 236, 238, 240, 242
   * Basic studies credit from P&R 215, 216 and 217 may not exceed three semester hours.
4. Language (3-9 hours, of which at least three must be in a foreign language)
   FRH 101, 102, 120, 201, 202
   GER 101, 102, 120, 201, 202, 305
   ITN 101, 102
   JPN 101, 102
   LAT 101, 102, 201, 202
   PRT 101, 102, 201, 202

SPN 101, 102, 120, 201, 202, 203, 305
COM 110
P&R 110

D. Fine Arts (3-9 hours)

Required: A minimum of three and a maximum of nine hours elected from the following, with no more than six hours from any one discipline.
ART 201, 202, 203
COM 116
FNA 110, 112
THR 221, 225
MUS 184*, 185*, 186*, 187*, 105, 115, 116, 117, 118, 119
*Basic studies credit from MUS 184, 185, 186, and 187 may not exceed a total of three semester hours.

E. Natural Sciences and Mathematical Sciences (10-15 hours)

Required: A minimum of 10 and a maximum of 15 hours from the two areas of natural sciences and mathematics as described below.

1. Natural Sciences (7-12 hours)
   Required: A minimum of seven and a maximum of 12 hours, including at least one laboratory science course and a minimum of three hours each in the life and physical sciences. Courses that satisfy the laboratory science requirement (when taken with the appropriate laboratory section) are starred below.
   a. Life Science courses
      ANT 210
      BIO 105*, 110*, 205*, 206*, 216*, (PED 216*), 217, (PED 217), 235, 236, 237, 238, 240*, 241*
      GLY 135
      PED 216* (BIO 216*), 217 (BIO 217)
   b. Physical Science courses
      CHM 101*, 102*, 103*, 215*
      GGY 130*, 230
      GLY 101*, 102*, 120, 150
      PHY 101*, 102*, 103, 105*, 201*, 202*, 260
2. Mathematical Sciences (3-8 hours)
   Required: One of the following courses:
   MAT 101, 111, 112, 115, 141, 151, 161
   Additional credit may be earned by electing from the following list:
   CSC 105, 111, 112, 121
   MAT 102, 112, 142, 151, 152, 161, 162, 275
   P&R 218
   STT 205, 210, 215, 262
   Basic studies credit from CSC 111, 112, and 121 may not exceed three semester hours; basic studies credit from STT 205, 210, and 215 may not exceed three semester hours.

F. Social and Behavioral Sciences (3-9 hours)

Required: A minimum of three and a maximum of nine hours elected from the following, with no more than six hours from any one discipline.
ANT 105, 205 (SOC 205), 206, 207
CRJ 105
ECN 125, 221, 222
GGY 140, 210
PLS 101, 111, 202, 206, 207

PSY 105, 145, 220, 223
SWK 235
SOC 105, 110, 205 (ANT 205), 215, 220

G. **Interdisciplinary Perspectives (0-6 hours)**
There is no minimum requirement in this category. A maximum of six hours may be elected from the following:
HON 110
HON 210
SHS 110

Restrictions on Courses from Individual Disciplines

1. A maximum of nine credit hours from any academic discipline (as defined by the three-letter course code), excluding ENG 101-102, can count toward the 45 hours of Basic Studies.
2. No more than two specific Basic Studies requirements (as indicated by letter or letter-number code in the above structure), excluding ENG 101-102, can be met by courses in one academic discipline (as defined by the three-letter course code).

Waiver of Requirements

English: Students who have not qualified for advanced placement but who because of special circumstances may have writing competencies equal or superior to those required in ENG 101 or 102 may present evidence of these writing competencies to the chairperson of the Department of English and request a waiver. At the chair's discretion either or both requirements may be waived. This waiver does not grant academic credit.

Mathematics: Students who have not qualified for advanced placement but who may have competencies equal or superior to those required for successful completion of MAT 151 or 161 may, at the discretion of the chairperson of the Department of Mathematical Sciences, take a waiver examination for either of these courses. An acceptable score on this exam waives the requirement that one of the introductory mathematics courses be taken. This waiver does not grant academic credit.

REQUIRED PHYSICAL EDUCATION

Through participation in the required physical education program, students should expect to develop an understanding of the role of life-long physical activity in enhancing the quality of one's life.

The university requires all students to complete with a passing grade PED 101, Foundations of Physical Activity. Transfer students who have not had an equivalent course must also complete this requirement. Students with disabilities are encouraged to participate to the fullest extent possible in physical education activities and are encouraged to consult with the chairperson of the Department of Health, Physical Education, and Recreation concerning participation in these activities.

The university requires all students to provide a current physical (within two years if less than 35 years of age, and within one year if over 35 years of age) and information regarding their current health status on the Report of Medical History form available through the Admissions Office. Completion of this requirement is a prerequisite to:

1) enrollment in any physical education activity course,
2) participation in any physical education activity course,
3) utilization of the physical education facilities for recreational purposes. Based on the information contained in this report, the student will be assigned to one of three categories listed below:
   A. Unrestricted participation
   B. Restricted participation
   C. Temporarily restricted participation because of an injury or illness

ENRICHMENT COURSES AND PROGRAMS

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

DIRECTED INDIVIDUAL STUDY

This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (ordinarily, instructors will not supervise more than six student credit hours of Directed Individual Study per semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements, not more than three of which can be outside the student's major.

FIELD EXPERIENCES

Several departments within the College of Arts and Sciences and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

GRADUATE COURSES

Seniors at UNCW with at least a "B" average in the major who need 15 or fewer hours to complete the requirements for the bachelor's degree may take one or two graduate courses for the purpose of later receiving graduate credit, provided that they are not enrolled for more than a total of 15 hours. To do this, the student must (1) obtain permission in advance from his or her department chair or school dean, as appropriate, and (2) present it to the Graduate School for approval. Permission forms may be obtained in the Graduate School. Graduate courses taken under this provision may not be used to fulfill baccalaureate degree requirements.

Course descriptions and prerequisites are listed in the Graduate Catalogue.

HONORS PROGRAM

Diane E. Levy, *director*
Patricia A. Turrisi, *associate director*

The Honors Scholars Program at the University of North Carolina at Wilmington provides academically talented students with innovative and unique educational experiences. The program seeks to encourage curiosity, critical thinking, and independent work skills by offering exciting academic and cultural activities as well as the opportunity for close working and social relationships with the faculty.

Admissions to Honors

Check with the Honors director for specific requirements at each level. Multiple points of entry into the Honors Program are possible:

- As entering freshman (by invitation of the Honors Program)

- As sophomores (based on high academic achievement in freshman year, including transfer students)
- As juniors/seniors in Departmental Honors (including transfer students)

Program Requirements for Graduation with University Honors

To graduate with University Honors, a student must:

(1) complete at least 12 credit hours of basic studies courses honors sections*

(2) complete six credits of "Interdisciplinary Honors Seminars" (HON 110 in fall of freshman year; HON 210 in fall of sophomore year)

(3) complete two credits of "Honors Enrichment Seminar" (HON 120)*

(4) maintain academic eligibility: at the completion of 27 credit-hours at UNCW, an overall grade point average of 3.00 or better in all coursework is required. An overall grade point average of 3.20 or better must be established by the completion of 58 credit-hours and maintained thereafter.

(5) complete requirements for Departmental Honors (see below)

*Note: students entering as sophomores complete HON 210, one credit hour of HON 120, and at least six hours of honors basic studies.

Honors Courses

These courses are restricted to students formally enrolled in the Honors Program or others admitted by permission of the honors director.

Honors sections of basic studies courses: Each semester several honors sections of basic studies courses will be offered on a rotating basis. These sections are usually restricted to 20 students to allow for enhanced student-faculty interaction and discussion.

Honors Seminars: Three kinds of honors interdisciplinary seminars are offered each year. The first is a team-taught, three-hour course designed to introduce all freshman honors students to the college experience by direct involvement in research, service, and leadership activities. This course may not be repeated for additional credit. The second course is a one-hour, team-taught enrichment seminar that requires student attendance at or participation in a variety of campus visual/performing/cultural events and lectures. This course may be elected by honors students at any level and may be repeated for a maximum of two semester hours. The third is a three-hour, team-taught, interdisciplinary seminar that offers an in-depth investigation of a special topic using the approaches of several disciplines. For a listing of these seminars, see the COURSE DESCRIPTIONS section of this catalogue.

Departmental Honors

Upperclassmen who qualify as candidates for Departmental Honors must perform outstanding scholarly work appropriate to the academic standards of the student's major in the form of a six-credit Departmental Honors project. A student who fulfills requirements for Departmental Honors will be acknowledged as such upon graduation.

A student who previously has not participated in the honors program may qualify as a candidate for Departmental Honors based on the student's grade-point average. Students with at least 74 semester hours credit who have a grade point average of 3.20 or better on all college work attempted, who have completed at least 30 semester hours of work with a 3.20 or better grade point average at UNCW, and who are recommended by the major department chair (or dean where appropriate) are eligible to enroll in coursework with a 499 designation which indi-

cates the senior project in that discipline. Academic departments may require a higher grade point average for eligibility for Departmental Honors in their discipline.

Departments in each discipline determine appropriate preparatory academic experiences for Departmental Honors in that field. Candidates for Departmental Honors may fulfill preparations for senior capstone work beginning in the junior year through one or more of the following:

(1) Directed Individual Study (DIS) courses which lay the groundwork for more advanced projects
(2) Departmental or interdisciplinary seminars and/or internships which encourage independent work in a variety of ways such as performance, research, service
(3) Study Abroad and/or National Student Exchange
(4) A one-credit enrichment course in the general field of the major (such as "Natural Science," "Humanities," "Education," Health Sciences," etc.)
(5) Honors components of regular department courses: "Enhanced" courses at the 300 or 400 level in which an honors student and his or her instructor enter into a contract which stipulates enhanced academic responsibilities for the student, such as presentations or papers. Successful performance in such classes would be identified by an "Honors" label on the course as it appears in the student's transcript.

The Departmental Honors project culminates in independent study under the supervision of a faculty member in the student's major field. This independent study should be completed in two three-credit hour semesters or three two-hour semesters. The results of the honors work are summarized in a paper and presented orally before an examining committee.

Co-Curricular Activities

Students will be offered opportunities and incentives to participate in co-curricular activities such as field trips, campus events, study abroad and community events.

Honors Residence

Students are encouraged to reside in a designated honors residence with special facilities and a computer lab. A senior honors student mentor will live in the residence to assist honors students with activities, programming, and adjustment to university life.

INTERNATIONAL PROGRAMS

Gary Faulkner, *director*
Aida Toplin, *assistant director*

The Office of International Programs was established at the University of North Carolina at Wilmington to represent its commitment to international education. The office has responsibility for faculty and student exchange programs and other international activities at the university. The goal is to expand and strengthen international ties among individuals, units, and programs on campus and to encourage the exchange and flow of ideas and information so crucial for the development of global knowledge and awareness. UNCW is a member of the International Student Exchange Program (ISEP). ISEP offers exchange possibilities for UNCW students in over 100 universities abroad. Additionally, UNCW offers exchange and study abroad opportunities for students in Australia, Barbados, Brazil, Chile, Ecuador, France, Great Britain, Japan, Jordan, Korea, Sweden and Thailand. Also, summer study abroad opportunities are available to UNCW students in a variety of locations. Faculty and staff exchange possibilities are available in Barbados, Brazil, Chile, Ecuador, Great Britain, Jordan, Korea, and Spain. Further information can be obtained by contacting the director of International Programs.

Academic departments at the university may offer special international study courses during the regular semesters or summer sessions without adding them to their permanent cur-

ricula. Each course must be approved by the appropriate dean. These courses will include regular classroom assignments, lectures and discussions, travel and field work, and visits to historic and cultural sites. Study will take place outside the United States, usually in association with local universities abroad. Numbers designating these courses are 294 and 494.

Students who want a study abroad exchange experience with a university with which UNCW has such an agreement must sign up for INT 294 or 494 for 12 credit hours. Students must enroll in this course during the preregistration or registration period prior to the semester abroad and pay tuition and fees to UNCW at the full-time rate. UNCW students who study abroad retain their active UNCW student status and will not have to reenroll upon return.

INTERNSHIPS

Several departments in the College of Arts and Sciences and the Cameron School of Business Administration offer students the opportunity to earn academic credit within a work environment. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and department offering the internship is required to enroll, and limits are placed by the department on the number of credit hours earned in this manner which may be applied toward graduation. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

NATIONAL STUDENT EXCHANGE (NSE)

Students can participate in this exciting and challenging program that provides an opportunity to attend (for one year or one semester) another NSE network university. At little or no more cost to students than they are now paying, NSE is an opportunity to experience new places, ideas and cultures while attending a school that complements and supplements our course offerings, as it becomes one of the "satellite campuses" of UNCW. Campus coordination is provided by the Office of Housing and Residence Life.

SUMMER SESSIONS

The Summer Sessions constitute an integral part of the university's year round program. The principal academic terms of summer are two 5-week sessions, and a 3-week intersession. A variety of courses is offered for students who wish to accelerate their progress toward graduation, to supplement the academic load carried during the regular terms, or to remove grade deficiencies. In addition, courses are offered for K-12 school teachers to renew or change fields of certification. During the summer sessions, students from other colleges and universities may be admitted as visitors by using the "Visiting Student" application. Credit hours earned during the summer are excluded from the twenty-five percent (25%) tuition surcharge imposed on students who take more than 140 degree credit hours to complete a baccalaureate degree in a four-year program. Further information concerning the summer sessions may be obtained by contacting the director of summer sessions.

UNIVERSITY STUDIES

University Studies courses are designed to assist freshmen and other students new to UNCW in their transition to university life and learning. The courses offer elective credits and are taught by faculty and staff selected from across the university. Among the topics addressed in University Studies are study skills, time-management techniques, goal-setting for college and careers, and use of the library and electronic information resources. For a listing of these courses, see "University Studies" in the COURSE DESCRIPTIONS section of this catalogue.

DEGREE PROGRAMS AND REQUIREMENTS

UNDERGRADUATE DEGREES OFFERED

Majors for the Bachelor of Arts Degree

Anthropology
Art
Biology
Chemistry
Communication Studies
Criminal Justice
Economics
Education of Young Children
Elementary Education
English
Environmental Studies
French
Geography
Geology
History
Mathematics
Middle Grades Education
Music
Music Education
Parks and Recreation Management
Philosophy and Religion
Physical Education
Physics
Political Science
Psychology
Sociology
Spanish
Special Education
Theatre

Majors for the Bachelor of Science Degree

Accountancy
Biology
Business Management
Business Systems
Chemistry
Clinical Laboratory Science
Computer Science
Economics
Finance
Geology
Marine Biology
Marketing
Mathematics
Nursing
Physics

Major for the Bachelor of Social Work

Social Work

MINORS

A student may elect a minor in any academic discipline listed below. The student must meet with the department chairperson or coordinator to define the requirements to complete the minor. Declaration of a minor is done in the Registrar's Office. Minors will be awarded at the same time as the baccalaureate degree. Upon completion of requirements and attainment of a degree, the minor will be posted on the student's academic transcript.

MINORS

African-American Studies
American Studies
Anthropology
Art
Chemistry
Computer Science
Leadership Studies
Mathematics
Native American Studies
Parks & Recreation
Philosophy
Physics

English
European Studies
French
Geography
Geology
Gerontology
German
History
Latin American Studies
Political Science
Religion
Science, Humanities and Society
Sociology
Spanish
Statistics
Theatre
Women's Studies

GRADUATE DEGREES OFFERED

The Master of Arts Degree

English
History
Mathematics
Psychology

The Master of Arts in Teaching Degree

Biology
Chemistry
English
History
Mathematics

The Master of Business Administration Degree

The Master of Education Degree

Elementary Education
Middle Grades Education
Reading Education
Special Education

The Master of School Administration

The Master of Science in Accountancy Degree

The Master of Science Degree

Biology
Chemistry
Geology
Marine Biology
Mathematics

ADMISSION TO DEGREE PROGRAMS

New and reenrolling freshmen, unclassified and special admission students, and other students who have not yet been accepted into a degree program are assigned to the Center for Academic Advising (CAA) for academic support. Each of these students is assigned a CAA advisor who assists the student in selecting courses to fulfill basic studies requirements, maintaining the required academic standards, and choosing a major. All CAA advisors emphasize the importance of undertaking a rigorous academic load consisting of 15-16 credit hours each semester in order to complete all requirements for graduation within four years and can provide model four-year graduation plans for all majors offered by the university.

Admission to the College of Arts & Sciences

Students wishing to declare a major within the College of Arts & Sciences will request to have their records transferred to the appropriate department no earlier than the end of the second semester of the freshman year and no later than the end of the sophomore year. See departmental requirements for any prerequisites to declaring a major.

Admission to the Professional Schools

Students wishing to declare a major within a professional school will request to have their records transferred to the appropriate school no earlier than the end of the second semester of their freshman year and no later than the end of the sophomore year. These students will then be assigned to that school for pre-professional advising.

Students seeking admission to the Cameron School of Business Administration or the Watson School of Education normally submit their applications to the appropriate school immediately upon completion of the third semester of study, provided the minimal requirements as stated in the university catalogue have been met at the time of application.

Students seeking admission to the School of Nursing must submit applications to the Office of the Dean, School of Nursing. Application forms and deadline dates are available from the School of Nursing.

I. Requirements for Admission to the Cameron School of Business Administration

1. Each applicant for admission must have completed a minimum of 44 semester hours with a cumulative grade point average (GPA) of 2.20 or better (4.00 scale).

2. Bachelor of Science:
   The following courses are required for admission to the Cameron School of Business Administration:

   Must be completed:

ENG 101-102	Freshman Composition I and II
MAT 111 or 115	College Algebra or Precalculus
ACG 201	Financial Accounting
ECN 221	Principles of Economics–Micro

   Must be completed or enrolled:

ACG 203	Managerial Accounting
ECN 222	Principles of Economics–Macro
PDS 217	Statistical Analysis for Business
MAT 151 or 161	Basic Calculus w/Applications I or Calculus with Analytic Geometry

   Bachelor of Arts:
   Same as above except that students studying for the bachelor of arts degree are not required to complete ACG 201 or ACG 203, and may substitute STT 205 for PDS 217.

3. Students may not enroll in restricted courses nor enroll in more that 15 semester hours with the school beyond preadmission courses without being formally admitted to the school. A list of restricted courses is available in the Cameron School's Degree Program Office.

II. Requirements for Admission to the Watson School of Education and the Teacher Education Program

1. Completion of the university requirements in English, mathematics, and a science laboratory course with a grade of "C" or better in each course.

2. Completion of EDN 200, "Teacher, School and Society", with a grade of "C" or better.

3. Completion of four semesters or two academic years of full-time college study, or completion of required Basic Studies program. A minimum overall grade point average of 2.50 on a 4.00 scale on work attempted at UNCW is required. Transfer students must earn a 2.50 on a minimum of 12 hours completed at UNCW.

4. Passing scores on teacher education entry tests specified and mandated by the Board of Education of the state of North Carolina.

NOTE: Students may not enroll in EDN 300 or 400-level courses until they are admitted to the Watson School of Education.

III. Requirements for Admission to the School of Nursing—Bachelor of Science Degree Program Admission Criteria

1. A 2.50 total GPA is required for evaluation of a student's transcript by the School of Nursing. Each student's total GPA including the fall semester/quarter grades of application year is calculated on all transferable college courses attempted at all accredited institutions of higher education according to the guidelines in use by the UNCW Admissions Office.

2. Successful completion of all prerequisites prior to Summer Session I of the year of admission, as per the university calendar as follows:

   a. A minimum of 39 hours of Basic Studies completed prior to admission.

   b. Minimum grade of "C-" in the following courses and their accompanying labs – CHM 101, CHM 215, BIO 240, BIO 241, BIO 246, MAT 111. (A "C-" is a 1.67 QPA in each course on a 4.00 scale)

   c. Successful completion of each of the following courses or their equivalent – ENG 101, ENG 102, PED 101, PSY 105, PSY, 223, SOC 105, SOC 345, NSG 215.

3. Evidence of high school graduation that would meet the university's minimum admission requirements.

4. Physical, mental, and emotional health that enables a student to participate in and complete the program.

In addition to the minimum criteria the following will also be considered:

1. Students with a prior baccalaureate degree from a regionally accredited institution.

2. Students with backgrounds in keeping with the university's commitment to a diverse student body.

3. Students' GPA on courses prerequisite to nursing. (See Admission Criteria #2, a, b, c)

Admission Requirements—RN Access Program

1. Admission to the university

2. A current license to practice as a registered nurse in North Carolina.

3. A 2.50 total GPA is required for evaluation of a student's transcript by the School of Nursing. Each student's total GPA including the fall semester/quarter grades of application year is calculated on all transferable college courses attempted at all accredited institutions of higher education according to the guidelines in use by the UNCW Admissions Office.

4. Physical, mental, and emotional health that enables a student to participate in and complete the program.

DEGREE REQUIREMENTS

COLLEGE OF ARTS AND SCIENCES

Daniel B. Plyler, *interim dean*
C. Sue Lamb, *associate dean*
Rudi H. Kiefer, *associate dean*

The College of Arts and Sciences offers a variety of programs in the liberal arts leading to the Bachelor of Arts, Bachelor of Science, Bachelor of Social Work, Master of Arts and Master of Science Degrees. To implement these programs, the college provides instruction, research, and creative opportunities in the fine arts and humanities as well as in the natural, physical, and social sciences. The 15 academic departments in the college provide courses of study in each of these areas, in addition to interdisciplinary programs in African-American studies; environmental studies; European studies; gerontology; Latin American studies; social science; and science, the humanities and society. A professional program in medical technology, and pre-professional programs in agriculture and forestry, allied health, health-related careers, dentistry, law, medicine, optometry, pharmacy, physical therapy, podiatry and veterinary medicine are also offered in the college.

Degree requirements for all undergraduate majors and minors available in the College of Arts and Sciences are listed below. Requirements for the graduate degrees are listed in the Graduate School Catalogue, while those for professional, pre-professional, and special programs are listed in those sections of this catalogue. See the index below for the beginning page number of the specific degree requirements and course descriptions.

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DEPARTMENTAL REQUIREMENTS

AFRICAN-AMERICAN STUDIES
(Interdepartmental)

Dr. E. Sheridan, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in African-American studies which affords students the opportunity to learn about the many facets of the African-American experience. The minor encompasses courses in history, English, political science, sociology, criminal justice, communication studies and philosophy and religion.

Requirements for a Minor in African-American Studies: To earn a minor in African-American studies requires 18 hours, including nine hours in core courses. The remaining hours may be taken from the electives below, including at least three hours at the 300 level or higher. Students must earn at least a "C" average in courses counted for a minor in African-American studies. Courses taken to fulfill major requirements cannot be used to fulfill African-American studies minor. Core Courses: ENG 232, HST 261, and PLS 340. Electives: COM 390, COM 391, CRJ 370, ENG 355, HST 372, MUS 116, MUS 119, PLS 330, P&R 243, SOC 325.

AMERICAN STUDIES
(Interdepartmental)

Dr. L. Rohler, Jr., *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in American studies, providing students with the opportunity to develop and understanding of the nexus of ideas and events which shape the American experience and the symbolic representation of these ideas and events in American literature and art.

Requirements for a Minor in American Studies: To earn a minor in American studies requires completion of 21 hours, including nine hours of core courses and 12 hours of electives. At least three hours must be at the 300 level or above. No more than nine hours may be taken from any one department. Students must earn at least a "C" average in courses counted for a minor in American studies. Courses taken to fulfill major requirements or requirements for another minor may not be used to fulfill requirements for this minor. Core Courses: ENG 223 or 224: American Literature I or II; HST 202 or 202: American History I or II; P&R 205 American Philosophy or P&R 242 Religion in America.

ANTHROPOLOGY
(See Sociology and Anthropology)

ART
(See Fine Arts)

BIOLOGICAL SCIENCES

World-Wide-Web URL: http://www.uncwil.edu/sys$disk1/biology/bio.html

Dr. R. Sizemore, *chair*. Dr. Ballard, Dr. Bartl, Dr. Bird, Dr. Bolen, Dr. Cahoon, Dr. Clavijo, Dr. Dillaman, Dr.Dodd, Dr. Dunn, Dr. Geller, Dr. George, Dr. Hackney, Dr Hosier, Dr. Kapraun, Ms. Kendrick, Dr. Lindquist, Dr. Lundeen, Dr. Merritt, Dr. Mintzes, Dr. Pabst, Dr. Padgett, Dr. Parnell, Dr. Pawlik, Dr. Plyler, Dr. Posey, Dr. Roer, Dr. Roye, Dr. Sayigh, Dr. Shafer, Dr. Sieren, Dr. Webster.

Students may declare a major in biology after completion of 30 semester hours of credit with at least a 2.50 overall grade point average and completion of BIO 110 and 205 or 206 with an average of 2.50 or higher.

Requirements for a Major in Biology for the B.A. degree: BIO 110, 205, 206, which should be taken early in the program of study, BIO 495 and completion of the additional requirements for one of the options described below.

Option 1. General.

A minimum of 30 hours chosen from biology courses numbered above 299. CHM 101-102 with lab. A "C" average is required on all BIO courses above 200. This option is a flexible program which can be designed by a student and an advisor to meet personal educational goals and interests which may or may not include graduate study. The program may be used to meet a set of specific requirements, for example, certification for teaching at the secondary school level.

Option 2. Premedical Sciences.

BIO 315, 335 with lab, 345 or 347 or 465, and a minimum of eight hours chosen from BIO 316, 320, 371, 377, 410, 425, 435, 440. CHM 101-102 with lab, 211-212 with lab, 235; PHY 101-102; MAT 151, 152. A "C" average is required on all BIO courses above 299. This option is designed for students who wish pre-professional training in medicine, dentistry, optometry, and other health-care fields. The sequence of courses conforms to entrance requirements prescribed in publications of the Association of American Medical Colleges, the American Association of Dental Schools, and the council on Optometric Education of the American Optometric Association.

Requirements for a Major in Biology for the B.S. degree: BIO 110, 205, 206, which should be taken early in the program of study, 335 with lab, 345 or 347 with lab or 355, 366, 495. CHM 101-102 with lab, 211-212 with lab or CHM 211 with lab and BIO 465 with lab; PHY 101-102 or 201-202; MAT 151; STT 215; and at least eight additional hours from courses numbered above 299, at least three hours of which must be cellular/molecular biology. (The following are considered to be courses in cellular-molecular biology: BIO 347, 410, 425, 430, 435, 436, 440, 465.) A "C" average is required on all BIO courses above 299. Students planning to attend graduate school are encouraged to take CHM 235; MAT 152; CSC 111, 121, 125, 126; FRH 201-202 or GER 201-202. This degree program is designed for those students who plan to attend graduate school or seek employment in various fields of biological specialization.

Requirements for a Major in Marine Biology for the B.S. degree: Basic core requirements are BIO 110, 205, and 206, which should be taken early in the program of study, 335 with lab, 345 or 347 with lab or 355, 362, 366, and 495 and a minimum of 10 hours chosen from BIO 358, 365 or 481, 446 or 472, 457, 458, 462 and 468. CHM 101-102 with lab; GLY 150; PHY 101-102 or 201-202; MAT 111-112 or 115-151 or a higher sequence; and a minimum of four semester hours chosen from CHM 211-212, 235, 475; CSC 111, 121, 125; GGY 333; GLY 101, 337; STT 215. A "C" or better average on BIO courses above 299.

The UNCW marine biology curriculum is a unique baccalaureate program in the university system. It includes a strong foundation of biology with an emphasis in marine biology at the junior and senior levels. Full use is made of the natural laboratory provided by the adjacent Atlantic Ocean through extensive field work in many marine biology courses. The curriculum is flexible enough to meet the individual needs of the student enabling preparation for graduate studies or for teaching and research careers available to one with the baccalaureate degree.

Requirements for Teacher Certification in Biology: In addition to completing the requirements for a degree in biology or marine biology and the other requirements of the Teacher Education Program, the following courses are required for certification: BIO 315, 235 or 335 with or without lab, 345 or 347 with or without lab or 355, 366, 238 or 425, GLY 101 or 150, and PHY 101 or 105. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Major in Clinical Laboratory Science for the B.S. degree
(See Clinical Laboratory Science)

CHEMISTRY

Dr. N. Martin, *chair.* Dr. Adcock, Dr. Burgess, Dr. Cahill, Ms. R.B. Jones, Dr. S.B. Jones, Dr. Kiddle, Dr. Kieber, Dr. Levy, Dr. Manock, Dr. Nance, Dr. Reeves, Dr. Sayed, Dr. Seaton, Dr. Skrabal, Dr. Ward, Dr. Willey.

Requirements for a Major in Chemistry for the B.A. degree: Core courses: CHM and CHML 101-102, CHM and CHML 211-212, CHM and CHML 235, CHM 255, CHM and CHML 315-316, CHM and CHML 321, CHM 445, CHM 495, MAT 161-162, PHY 201-202 and one of the following options:

(1) at least seven semester hours from CHM 377, CHML 377, CHM 415, 417, 435, CHML 435, CHM 465, CHM 467, CHM 475, 476, 485, 490, 491 (3 hours)

(2) Teacher Education Requirements.

A "C" or better on each chemistry course.

The following courses are recommended electives for some particular areas of interest:

Environmental Chemistry: CHM 377, 476, CHML 377, BIO 110, BIO 205 or 206, EVS 195, 495, GLY 120, and STT 215.

Marine Chemistry: CHM 475, 476, BIO 110, BIO 205 or 206, 362, and GLY 150.

Industrial Chemistry: CHM 377, 435, 485 and CHML 377 and 435, ACG 201 and either PDS 217 or STT 215.

Premedical Science: CHM 417, 465, CHM 467, BIO 110, and 206.

Teacher Education Requirements: see Watson School of Education section of the catalogue. For Secondary Teacher Certification in General Science as well as Chemistry take BIO 110 and an additional BIO course, PHY 260, and two courses form GLY 101, 120, 150. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Major in Chemistry for the B.S. degree: CHM 101-102, CHML 101-102, CHM 211-212, CHML 211-212, CHM 235, CHML 235, CHM 255, CHM 315-316, 321-322, CHML 321-322, CHM 435, CHML 435, CHM 445, CHML 445, CHM 495 and two of the following: CHM 415, 446, 465, 485 and 491 (3 hours). MAT 161-162, 261, and 361 and PHY 201-202. A "C" or better on each chemistry course. Students working for the B.S. degree should arrange their work so as to take CHM 321-322 in the junior year. Two years of German are recommended.

Requirements for a Minor in Chemistry: CHM 101-102; CHML 101-102; CHM and CHML 211-212 or CHM and CHML 211 and 235; and six additional hours in chemistry at the 300-400 level. A "C" or better on each chemistry course.

CLASSICS

(See Foreign Languages and Literature)

COMMUNICATION STUDIES

Mr. F. Trimble, *chair.* Dr. Bolduc, Dr. Brunson, Dr. Buttino Dr. Comeaux, Dr. McKinney, Dr. Noor Al-Deen, Dr. Pullum, Dr. Rohler, Dr. Tallant.

Requirements for a Major in Communication Studies for the B.A. degree: COM 110, 340, 341 and 490 plus 24 additional hours of communication studies course work. At least 12 of those 24 hours must be at the 300 or 400 level. Internship courses cannot be counted toward the 24 additional hours. A 2.00 average for all communication studies courses is required. Differently titled courses with the number 490 may be repeated for additional credit in the 24 hours.

COMPUTER SCIENCE

(See Mathematical Sciences)

CRIMINAL JUSTICE

(See Sociology and Anthropology)

EARTH SCIENCES

Dr. R. Laws, *chair.* Dr. Ainsley, Dr. Argenbright, Dr. Blake, Dr. Cleary, Dr. Dockal, Dr. Gaudet, Dr. Hall, Dr. Harris, Dr. Hines, Dr. Huntsman, Dr. Kiefer, Dr. Leonard, Dr. Smith, Dr. Spivack, Dr. Thayer.

The Department of Earth Sciences offers majors in geography and geology which prepare the student for advanced studies or for teaching, research, and technical careers available to one who holds the baccalaureate degree.

Requirements for a Major in Geography for the B.A. degree: Core requirements: GGY 130, 140, 180, 181, 320, 325, 495 and STT 205 or 215. In addition, students must complete (a) 10 hours in physical and applied geography courses, including at least one lab course (*), selected from the following: GGY 230, 270, 322*, 333*, 335*, 373, 378; and (b) 12 hours, in economic and cultural geography, including one course in regional geography (**), selected from the following: GGY 210, 240, 255**, 282**, 312, 315, 317, 350, 352, 382**, 385**. CSC 105 is recommended for all geography majors. A "C" (2.00) or better average is required on all courses taken within the department and on all required courses above the 100 level in the department.

Requirements for a Minor in Geography: GGY 130, 140, 210, and 12 additional hours of geography courses, of which at least six hours must be at the 300 or 400 level. A "C" (2.00) or better average is required for courses counted toward the minor.

Requirements for a Major in Geology for the B.A. degree: GLY 101, 102, 200, 201, 310, 335, 337, 431, 441, 495, CHM (lecture and laboratory) 101-102, MAT 111-112 or 115. A "C" (2.00) or better average on all courses taken within the department and a "C" (2.00) or better average on all required courses above the 100 level in the department.

Requirements for a Major in Geology for the B.S. degree: GLY 101, 102, 200, 201, 202, 311, 312, 337, 431, 441, 470, 495, CHM (lecture and laboratory) 101-102, MAT 161-162, PHY 101-102 or 201-202. A "C" (2.00) or better average on all courses taken within the department and "C" (2.00) or better average on all required courses above the 100-level in the department. Students planning to attend graduate school are urged to take CSC 111, and FRH 101-102 or GER 101-102.

Requirements for a Minor in Geology: GLY 101, 102, 201, 310, CHM 101 and 101L, and one additional GLY course at the 300-400 level. An overall 2.00 average is required in courses counted toward the minor.

Requirements for Teacher Certification in Earth Sciences (Geology only): In addition to completing the requirements for a major in geology and the other requirements of the Teacher Education Program, the following courses are also required for certification: BIO 110 and 205 or BIO 110 and 206; GLY 150; PHY 260; GGY 230. Teacher certification requirements are established at the state level and may be changed by the state at any time.

ENGLISH

World-Wide-Web URL: www.uncwil.edu/sys$disk1/english/english.html

Dr. C. Gould, *interim chair.* Ms. Adams, Dr. Aegerter, Dr. Atwill, Dr. Bushman, Dr. Byington, Mr. Canty, Dr. Clifford, Mr. Colbert, Dr. Collier, Dr. Corbett, Dr. Dodson, Dr. Ellerby, Dr. Ellis, Dr. Ervin, Mr. Gerard, Ms. Halme, Dr. Huntley-Johnston, Dr. Kamenish, Ms. Lee, Dr. MacLennan, Dr. Newlin, Dr. Noland, Dr. Parish, Dr. G. Richardson, Dr. S. Richardson, Dr. Rugoff, Dr. Schweninger, Dr. J. Seiple, Dr. Stokes, Dr. Sullivan, Dr. Veit, Dr. Walker, Dr. Waxman, Dr. Wentworth, Dr. White, Mr. Wilkes.

The English Department offers intellectual enrichment and training in analytical and communication skills through courses in literature, writing, and language.

Requirements for a Major in English for the B.A. degree: Core requirements are ENG 211-212, 223-224, 306, and 320 or 323. An overall average of 2.00 or better is required among courses taken to satisfy the requirements of the major.

General Option. This option is a flexible program, allowing students to take courses in literature, writing, and the English language. The course of study can be designed by a student and an advisor to meet personal educational goals and interests. The core requirements plus an additional 24 hours in English courses, consisting of six hours in literature, six hours in writing, one 495 or 496 senior seminar, and nine elective hours. No more than six of these 24 hours may be at the 200 level.

Literature and Language Option. This option is intended for students who desire to focus their studies in literature and/or the English language, including those who plan to attend graduate school. The core requirements plus an additional 24 hours in English courses, consisting of ENG 332 or 333, 12 hours in literature and/or language (including a 495 senior seminar), three hours in writing, and six elective hours. No more than six of these 24 hours may be at the 200 level.

Professional and Creative Writing Option. This option is intended for students who desire to focus their studies in professional and/or creative writing. The core requirements plus an additional 24 hours in English courses, consisting of 12 hours of writing courses (including a 496 senior seminar), six hours in literature, and six elective hours. No more than nine of these 24 hours may be at the 200 level.

Teacher Licensure Option. This option leads to teacher licensure in English. Teacher Education Program requirements, the core requirements (which must include ENG 320), plus an additional 24 hours in English courses, consisting of 206, 225 or 226, 304, 321, 380 or 381, 382 or 383, a 495 or 496 senior seminar, and three elective hours at the 300 or 400 level. For information on admissions criteria for the Teacher Education Program and the courses required for licensure (i.e, certification) in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for a Minor in English: Six hours of English courses from among ENG 211, 212, 223, 224, 225, 226; a three-hour writing or language course; 12 additional hours in English, with at least nine hours at the 300-400 level. An overall average of 2.00 or better is required among courses taken to satisfy the requirements of the minor.

Courses in Other Departments: Up to six hours from the following courses can be counted as literature courses in the English major or minor: FRH 209, 321, 322, 336, 425, 430, 435, 436, 437, 438; SPN 209, 210, 321, 421, 422, GER 209, 321, 322; CLA 209, 210.

ENVIRONMENTAL STUDIES

(Department of Earth Sciences)

Dr. J. Hall, *coordinator.*

The environmental studies curriculum requires study in a broad core of courses. This core provides basic academic exposure to the physical, chemical, biological and social aspects of environmental studies including issues such as human impact on, and manipulation of, the environment, and environmental quality and management. The elective requirements offer students the opportunity to focus their studies according to their interests while adhering to standards of academic vigor and excellence. Although the program is broad based, the university's location provides the unique opportunity for specialized study of coastal and marine issues. The degree prepares students for entry-level jobs and careers in environmental management, planning, and policy-making in positions with public agencies and private organizations.

Requirements for a Major in Environmental Planning and Policy for the B.A. degree: Core: EVS 195, BIO 205, CHM 101, CHM 101L, GGY 130, REC 360, STT 215, EVS 495.

Elective Curriculum: Must take 21 hours of the following 12 of which must be 300 level or above: ANT 309, BIO 237, BIO 364, BIO 478, BIO 487, CHM 377, COM 223, ECN 325, EVS 491, GGY 140, GGY 270, GGY 373, HST 332, HST 456, P&R 215, PLS 304, PSY 370, REC 361, REC 366, REC 470, STT 305.

EUROPEAN STUDIES

(Interdepartmental)

Dr. T. Mount, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in European studies which focuses on Europe since 1650. The minor provides a broad foundation for understanding modern Europe through the study of geography, history, language, and literature. Students complement core requirements with studies in the fine arts, literature, history and civilization, and political science.

Requirements for a Minor in European Studies: Core: (15 hours): GGY 385; ENG 370 or 371; HST 102; HST 394, 396, or 398; and a course in FRH, GER, PRT, or SPN (chosen from offerings numbered 201 or higher, excluding those taught in English and those designated Spanish American or Latin American). Electives (nine hours): Nine additional credits selected from designated offerings in ART, ENG, FRH, GER, HST, MUS, PLS, P&R, SPN, THR, and approved Study Abroad courses taken in Europe. A "C" (2.00) or better average is required for all courses counted toward the minor in European studies. Courses being counted toward the major cannot be counted toward completion of minor requirements. Students should contact the coordinator in the Department of Foreign Languages and Literatures for a list of designated elective courses.

FINE ARTS

Dr. J. Myers, *chair.*

The Department of Fine Arts is comprised of divisions of art, music, and theatre. The department offers majors leading to B.A. degrees in art, music, and theatre.

ART

Ms. Conner, Mr. Furst, Mr. LeQuire, Dr. Moore, Dr. Myers.

Requirements for a Major in Art History for a B.A. degree in art: ART 201, 202, 203; six hours of studio art to be chosen from ART 101,102, 111, 112; HST 101, 102. 18 hours in art history at the 300-400 levels. No more than three hours of ART 491 may be counted toward the major.

Requirements for a Minor in Art History: ART 201, 202, 203; 15 hours of 300-400 level art history. No more than 3 hours of 491 may be counted toward the major. An overall "C" average (2.00) in all courses counted toward the minor. Students majoring in studio art are not eligible to declare a minor in art history.

Requirements for a Major in Studio Art for a B.A. degree in art: ART 101, 102; ART 111 or 112; ART 211; six hours of art history survey chosen from ART 201, 202 or 203; three hours of 300-400 level art history; 27 hours chosen from at least three different studio areas.

Requirements for a Minor in Studio Art: ART 101,102; 15 hours of 200-400 level studio art courses (at least six hours must be 300-400 level studio art). An overall "C" average (2.00) in all courses counted toward the minor. Students majoring in art history are not eligible to declare a minor in studio art.

An overall "C" average (2.00) in all courses counted toward the major.

MUSIC

Dr. Bongiorno, Dr. Errante, Ms. Heller, Dr. Hickman, Dr. Martin, Mr. McLamb, Mr. Nathanson, Dr. Rack, Dr. Salwen.

The Division of Music offers three curricula for undergraduates who major in music. The Bachelor of Arts in Music—General Music Option provides a broad education in the liberal arts as well as more specialized training in music theory, history and literature, and performance. The Bachelor of Arts in Music—Performance Option puts emphasis on training in music performance, enhanced by studies in music theory, music history and literature, and pedagogy, balanced by as rich an experience in the liberal arts as the program will allow. The Bachelor of Arts in Music Education degree emphasizes music pedagogy and qualifies the student for the North Carolina Class A teaching certificate while also providing the requisite background in music theory, history and literature, and performance.

Admission to the music program requires an audition in the major performance medium, an interview, and a theory placement test. Admission to the performance and to the music education options also requires consent of the music faculty, as represented by the program coordinator.

An overall "C" (2.00) average is required in all courses used to fill music degree requirements.

Core requirements common to all music curricula: MUS 101, MUSL 101, MUS 102, MUSL 102, MUS 201, MUSL 201, MUS 300, MUSL 300, MUS 351, MUS 352. All music majors must pass the appropriate piano proficiency examination and the listening repertory examinations. Proficiency examination and listening repertory examination requirements are stated in the latest edition of the *Music Division Student Handbook*. All students are expected to make regular progress toward completion of those requirements.

General Music: In addition to the core requirements, the general music student will be required to complete 10 hours of applied music in the principal area and demonstration of upper divisional proficiency in the applied area; four semesters of class piano (MUS 141, 142, 241, 242); six hours of music ensemble, of which three hours must be at the 300-level. (Keyboard students may substitute up to two hours of MUS 182 and/or 131. Guitar majors may substitute up to two hours of MUS 131); MUS 496; and 6-15 hours of additional music electives, of which at least three hours must be at the 300-400 level. The balance of the academic credits which may apply for graduation must be outside of music.

Performance: The Performance option requires, among the curricula, the highest standards in performance and offers the most credits for applied music. Admission to the performance option is reserved for students who demonstrate to the faculty outstanding potential for a career in music performance, and accordingly is restricted to those selected by the faculty for the performance option.

In addition to the core requirements listed above, the following courses are required of all performance option students: Music Theory (five hours): MUS 301 and the choice of MUS 302, 303, 306 or 307; music history (six hours): MUS 361, 362, 363; 22 hours of applied music in the principal area (at least 12 hours at the 300 level); MUS 393 (one hour) and 493 (one hour), and the eight hours of music ensemble, at least four of which must be at the 300-level.

Each music performance option student also must choose one emphasis, from among those listed below, and fulfill the requirements specific to that emphasis:

1. Vocal Performance: MUS 285, 286, 271, 272, 273, 274, 379, and nine hours of free electives, at least six of which must be non-music courses. Vocal performance majors are required to demonstrate proficiency in French, German, or Italian language at the level of our language department course 102.
2. Keyboard Performance: Six hours of secondary applied music (not to include class piano); MUS 285, 275 or 276; MUS 375 or 376; and 10 hours of free electives of which at least six must be non-music courses. Those interested in a career in keyboard pedagogy are advised to take both 275 and 276 (Pedagogy) and both 375 and 376 (Keyboard Literature). These students may also elect MUS 475 (Practicum in Applied Teaching).
3. Instrumental Performance: MUS 285, 286, 371, and 13 hours of free electives, at least six of which must be non-music courses.
4. Jazz Performance: MUS 235, 236, 285, 308, 365, 372. In addition, students will be required to enroll in at least three semesters of a major ensemble other than MUS 184, or 384.

Music Education: In addition to the core requirements listed above, the music education major must complete 14 hours (seven semesters) of applied music in the major applied instrument, with not less than six hours (three semesters) at the 300 level. Each student in the Music Education program is required to be in at least one music ensemble during each semester that he/she is in residence. Vocal music education majors are required to pass a guitar proficiency examination or MUS 143 (Class Guitar) and instrumental music education majors are required to pass a voice proficiency examination or MUS 146 (Class Voice). All proficiency examinations and admission to upper divisional applied music study are prerequisite to formal admission into the teacher education program in music. Other requirements for admission to the Teacher Education Program may be seen in the catalogue under the Watson School of Education.

Other required courses for the Music Education program are:

Music Methods
MUS 243 String Class 1
MUS 245 Woodwind Class 1
MUS 247 Brass Class 1
MUS 249 Percussion Class 1
MUS 225 Intro to Music Education 1
MUS 326 Classroom Music Methods 3
MUS 331 Measurement and Evaluation in Music Education 2
MUS 373 or 377 Instrumental or Choral Methods 3

Other Music Courses
MUS 285, 286 Conducting 2, 2
MUS 301 Form Analysis 3
MUS 306 Orchestration and Arranging 2
MUS 393 Junior Recital 1

Watson School of Education Requirements
Pre-professional Studies
PSY 223 Lifespan Human Dev. 3
EDN 200 Teacher, School and Society 3
EDNL 200 Field Studies 1
EDN 203 Psychological Foundation of Teaching 3

Professional Studies
EDN 340 or 356 Reading Foundations K-6
or
Reading in the Secondary School 3

The Professional Semester
EDN 409* Practicum 12

* Music Education majors are not required to take Education 408 during the professional semester.

THEATRE

Ms. Bratton, Mr. Hawley, Mr. Macie, Dr. Rogers, Dr. Theodore, Dr. Vincent.

Requirements for a Major in Theatre for a B.A. degree: THR 201, 205, 210, 231, 241, 242, 243, 244, 321, 322, 355, 486 and 12 additional credits, including at least six credits at the 300-400 level, from the following: 202, 206, 232, 245, 301, 302, 305, 306, 308, 309, 333, 455, 461, 462. An overall "C" average (2.00) in all courses counted toward the major.

Requirements for a Minor in Theatre: THR 130 or 230; THR 201, 205, 206, 210; two hours of Theatre Practice to be chosen from THR 241, 242, 244; THR 321, 322. An overall "C" average (2.00) in all courses counted toward the minor.

FOREIGN LANGUAGES AND LITERATURES

Dr. P.Lapaire, *chair.* Dr. Campbell, Dr. Deagon, Dr. Deitz, Dr. Hobbs, Mr. Lowe, Dr. McNab, Dr. J. Mount, Dr. T. Mount, Dr. Parra, Dr. Perez, Dr. Spicher, Ms. Stites, Dr. Thomas, Dr. Woodhouse.

A student who offers high school units in French, German, Latin, or Spanish, and wishes to continue the study of the same language, must take the foreign language placement test. Courses numbered 209 through 212 are taught in English, and do not have the placement test as a prerequisite. Placement in Portuguese is done through consultation with the Department of Foreign Languages and Literatures. A student with no significant experience of a language does not need to take the placement test.

Supplementary foreign language credit: Students who complete, with a grade of "C" or better, a French, German, Latin or Spanish course numbered 201 or higher (excluding 209, 210, 211, and 212) and who have received no AP credit, no transfer credit, and no 100-level credit at UNCW in that language shall be granted three hours of supplemental elective credit. This credit shall not apply toward Basic Studies requirements.

The Department of Foreign Languages and Literatures offers the B.A. degree in French or Spanish.

Requirements for a Major in French for the B.A. degree: FRH 301, 302-303, 308, 311, 321, 322, 336 and at least six credit hours at the 400 level, only three of which may be obtained by means of a FRH 491 or FRH 498. A "C" (2.00) or better average is required for all courses counted toward the major. Recommended: HST 101 and 102.

Requirements for a Major in French for the B.A. degree with Teacher Certification: Students seeking certification in French (K-12) must complete the requirements for the French major and the professional education requirements listed under the Watson School of Education. Entry requirements to the Watson School of Education Teacher Education Program are described on page 00. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Minor in French: Completion of a minimum of 18 semester hours at the 200 level and above, excluding FRH 209. Of these, at least six hours must be at the 300 level or higher.

Requirements for a Major in Spanish for a B.A. degree: Eight of the following courses: SPN 304, 305, 306, 307, 308, 311, 312, 321, 322; and at least six credit hours from the following courses: SPN 405, 411, 412, 421, 422, 491, 495. No more than three hours of SPN 491 or 498 credit may count toward major requirements. A "C" (2.00) or better average is required for all courses counted toward the major. Recommended: HST 101 and 102.

Requirements for a Major in Spanish for the B.A. degree with Teacher Certification: Students seeking certification in Spanish (K-12) must complete the requirements for the Spanish major (specifically required are SPN 305, 306, 307, 308, 311, 312, 321, 322) and the professional education requirements listed under the Watson School of Education. Entry requirements to the Watson School of Education Teacher Education Program are described on page 00. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Minor in Spanish: Completion of a minimum of 18 hours at the 200 level and above, excluding SPN 209, 210, 211, and 212. Of these, at least six hours must be at the 300 level or higher.

Requirements for a Minor in German: Completion of a minimum of 18 semester hours at the 200 level and above, excluding GER 209. Of these, at least six hours must be at the 300 level or higher. HST 323 may be counted toward the minor, but is not required.

FRENCH

(See Foreign Languages and Literatures)

GEOGRAPHY

(See Earth Sciences)

GEOLOGY

(See Earth Sciences)

GERMAN

(See Foreign Languages and Literatures)

GERONTOLOGY

(Interdepartmental)

Dr. Maxwell, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in gerontology which focuses on the study of the aged and the aging process. The minor draws faculty from the Departments of Sociology and Anthropology, Psychology, HPER, and the Humanities. The minor is designed for students with a general interest in aging or who may be considering a career which involves working with the elderly. Coursework encourages students to obtain field experience in local agencies concerned with older adults.

Requirements for a Minor in Gerontology: Core: GRN 101, SOC 336, PSY 324, and HEA 325. Electives: nine additional credits of designated gerontology courses are required to complete the minor. Students should contact the coordinator in the Department of Sociology and Anthropology for a list of current designated courses.

HEALTH, PHYSICAL EDUCATION AND RECREATION

Dr. R. Buerger, *chair.*

The Department of Health, Physical Education and Recreation is comprised of health, physical education and parks and recreation management. The baccalaureate degree is offered in physical education and parks and recreation management.

HEALTH

Mr. Gibson, Dr. Peel, Dr. Ragon.

PHYSICAL EDUCATION

Mr. D. Allen, Dr. Bennett, Mr. Brownell, Mr. Chapman, Dr. Combs, Dr. Dowd, Mr. Ellington, Mr. Honeycutt, Ms. Lewis, Ms. McDaniel, Dr. Miller, Mr. Sanders, Mr. Scalf, Ms. St. Ledger, Ms. Whiting, Mr. Wilkinson.

Requirements for a Major in Physical Education (Teacher Certification Track) for the B.A. degree: PED 200, 201, 202, 216, 217, 235, 340, 349, 350, 355, 386, 387, 415, HEA 305, EDN 200, 203, 303, 356, 409, PSY 223. A "C" or better grade in all physical education, education, and psychology courses. Students are certified in physical education. Students may qualify for add-on certification in health by completing the following additional courses: HEA 105, 201, 205, 207, 234, 304, and 305. Students must satisfy the aquatics competency test or complete one of the following courses: PED 104, 105, 106, 107, 108, or 109. Students are also required to take 24 hours in an academic concentration. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Major in Physical Education (General Track) for the B.A. degree: choose two courses from PED 200, 201, or 202. Complete 216, 217, 235, 340, 349, 355, 435, 469, and 12 hours from PED 301, 350, 401, 415, 416, 460, 491, HEA 207, and 325. A "C" or better grade in all required health and physical education courses. Students must satisfy the aquatics competency test or complete one of the following courses: PED 104, 105, 106, 107, 108, or 109. See physical education coordinator for recommended courses of study for options within the general track.

PARKS AND RECREATION MANAGEMENT

Dr. Hill, Dr. Koh, Dr. Lewis, Ms. Parker.

Requirements for a Major in Parks and Recreation Management for the B.A degree: Core Courses: REC 265, 270, 348, 360, 368, 375, 430, 469, 498. For all required recreation and physical education courses students must achieve a 2.00 cumulative grade point average.

Leisure Service Management Option: REC 350, 495, two of the following: REC 351, 440, 465 and two courses from either of the following *two* areas of study. Area 1 (Commercial Recreation): MAT 111, ECN 221 or ACG 201. Area 2 (Government Recreation): PLS 101, 308, or a political science course designated by the Parks and Recreation Management Program coordinator.

Therapeutic Recreation Option: REC 370, 467, 468. PED 216, 217; PSY 223, 347; and two of the following with no more than three credit hours in any one discipline: PSY 352, 450; PED 415; EDN 260; SOC 215, 336, 337, 365, 433.

Natural Resources Recreation Management Track: Nine hours from REC 350, 361, 366, 465, 470 and three courses from either of the following *two* areas of study. Area 1 (Natural Science): BIO 236, 237; EVS 195; GGY 130, 230; GLY 101, 120, 150. Area 2 (Cultural Interpretation): ANT 105, 205, 206, 207, 387; HST/GGY 378; REC 280.

Requirements for a Minor in Parks and Recreation: REC 265, 270, 348, 375, and nine additional credits at the 300-400 level. In selecting courses to fulfill the nine elective credits, students are strongly encouraged to consult with the faculty in parks and recreation management. An overall 2.00 grade point average is required in courses counted toward the minor.

HISTORY

Dr. L. Usilton, *chair.* Dr. Berkeley, Dr. Cable, Dr. Chen, Dr. Clark, Dr. Haley, Dr. Hamdani, Dr. Kinzer, Dr. LaVere, Dr. Leutze, Dr. McCaffray, Dr. McCarthy, Dr. McLaurin, Dr. Seidman, Dr. Shaffer, Dr. Spaulding, Dr. Szylvian, Dr. Toplin, Dr. Watson.

Requirements for a Major in History for the B.A. degree: HST 101, 102, 103, 201, 202, 290; an additional 24 hours in history at the 300-400 levels. An additional three hours at the 200 level may be counted toward fulfillment of this 24-credit requirement. An overall "C" (2.00) average is required in all courses taken within the department. Students are required to take a minimum of six hours of seminar work selected from 400-level courses, HST 491, 498, 499 excepted. No more than six hours of HST 491 and 495 can be counted toward the major. Students are required to complete at least one 300-400 level course in each of the following areas: Europe, United States, and one other from Africa, Asia, Latin America, or Middle East. History majors seeking certification in social studies must complete a total of 21 hours collateral, including PLS 101 and at least one course in each if the following areas (advisor approval required): sociology/anthropology, economics, and geography. For information on the Teacher Education Program admissions criteria and the courses required for licensure (i.e., certification) in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year), and plan their programs in regular consultation with their advisors. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Minor in History: HST 101, 102, 103, 201, 202; an additional nine hours in History at the 300-400 levels, at least three hours of which must be in an area other than Europe or the United States; an overall "C" (2.00) average in courses taken in the department.

ITALIAN

(See Foreign Languages and Literatures)

JAPANESE

(See Foreign Languages and Literatures)

LATIN

(See Foreign Languages and Literatures)

LATIN AMERICAN STUDIES

(Interdepartmental)

Dr. T. Parra, Dr. P. Thomas, *coordinators*

The College of Arts and Sciences offers a minor in Latin American studies which provides a multidisciplinary focus on Latin American society. The minor draws faculty from the Departments of Foreign Languages and Literatures, History, Anthropology, and the Cameron School of Business Administration as well as other fields of study in the humanities and social sciences. The minor is designed for students with a general interest in Latin America who may be considering a career which involves business relations with Latin America, teaching about Latin America, or work with Latin Americans who are living in the United States.

Requirements for a Minor in Latin American Studies Core (15 hours): Spanish or Portuguese above 202 (six hours); HST 368, 369 or 485; SPN 312; ANT 304, 317, or 294; Electives (nine hours): SPN 322, 412, 422, 495, BIO 294, GLY 294, HST 368, 369, ANT 304, 317, 302, 294.

LEADERSHIP STUDIES

(Interdepartmental)

Dr. D. Brunson, *coordinator.*

The College of Arts and Sciences offers a multi-disciplinary minor in leadership studies which focuses on the study of leadership in different contexts. The minor encompasses courses in education, communication studies, management, philosophy and religion, political science, psychology, recreation, and sociology.

Requirements for a Minor in Leadership Studies: To earn a minor in leadership studies requires 21 hours including nine hours in core courses. Students select an additional 12 hours of elective courses from an approved list. Students must have a "C" average (2.00) in courses counted for the minor. The core courses are EDN 211, COM 311, and LED 411. For a list of approved elective courses, students should contact the coordinator of the leadership studies minor.

MARINE BIOLOGY

(See Biological Sciences)

MATHEMATICAL SCIENCES

World-Wide-Web URL: http://www.cms.uncwil.edu

Dr. D. Smith, *chair.* Dr. Adhar, Dr. Berman, Dr. J. Brown, Dr. Chang, Dr. Dankel, Dr. Deck, Dr. DeSouza, Dr. Etheridge, Dr. Feng, Dr. Frierson, Dr. Greim, Dr. Gurganus, Dr. Herbst, Dr. Herman, Dr. Karlof, Dr. Kasala, Dr. Kaufmann, Dr. Lu, Dr. Lugo, Dr. McLaurin, Dr. Narayan, Dr. Nelson, Dr. Norris, Dr. Sadek, Dr. Saksena, Dr. Shotsberger, Dr. H. Smith, Dr. K. Smith, Dr. Spackman, Ms. Spike, Dr. TenHuisen, Dr. Vedantham, Ms. Wager, Dr. Yan.

COMPUTER SCIENCE

Requirements for a Major in Computer Science for the B.S. degree: A student must complete one of the following options to fulfill the degree requirements. With careful planning and advising, a student may complete a minor in an area of application.

A quality point average of 2.00 or better must be earned on the courses used to fulfill the requirements of the major; in addition, a quality point average of 2.00 or better must be earned on the CSC courses used to fulfill the requirements of the major.

Option 1.

This option emphasizes the study of computers as systems. Students selecting this option are prepared for careers involving systems analysis or systems integration, or for the graduate studies in computer sciences. CSC 121, 133, 221, 233, 241, 242, 332, 334 360, MAT 161, 162, STT 215, completion of Requirement A, and completion of Requirement B, listed below.

Requirement A:

At least 18 additional hours of CSC courses numbered 300 or above, at least six hours of which must be numbered 400 or above, and including at least three hours from each of the following groups:

1. CSC 344, CSC 350, CSC 365, CSC 442
2. CSC 337, CSC 342
3. CSC 410, CSC 450, CSC 455
4. CSC 305, CSC 325, CSC 422, CSC 460

Requirement B:

1. the sequence PHY 201, 202 and
2. two courses selected from BIO 110, 205, 206, CHM and CHML 101, 102, GLY 101, 102, PHY 211, 212, 225, PSY 355

Option 2.

This option is designed for students who intend to use the computer as a tool for industrial or business and information systems applications. CSC 121, 133, 221, 233, 241, 242, 332, 334 360, 455; MAT 161, 162; STT 215; six additional hours at the 300 or 400 level in computer science, mathematics, or statistics approved by the advisor; ACG 201, 203; ECN 221, 222; FIN 335; MGT 350; MKT 340; PDS 314.

Note: Students interested in the degree program in computer science are encouraged to begin their mathematics study with Calculus I (MAT 161). Initial placement in mathematics is

based on high school background and the Mathematics Placement Test. Students not prepared for calculus in their first semester should begin with MAT 115 or 111-112, as appropriate.

Requirements for a Minor in Computer Science: CSC 121, 133, 221, 332, and six additional CSC hours at the 200 level or above, including at least three at the 300-400 level. An overall quality point average of 2.00 or better is required for all courses counted toward the minor.

MATHEMATICS

Requirements for the Major in Mathematics: The Department of Mathematical Sciences offers both the B.A. and B.S. degrees in mathematics. The curriculum for each degree includes several options designed to meet students' various personal and career goals and which reflect career opportunities in the mathematical sciences.

The requirements for both the B.A. and B.S. degrees in mathematics consist of some common core courses and fulfillment of the requirements of one of several options.

It is strongly recommended that each student majoring in mathematics either complete a minor in a discipline that applies mathematics or elect advanced coursework involving mathematical applications in another discipline. A list of recommended courses in biology, chemistry, computer science, earth sciences, economics, physics, production and decision sciences, psychology, sociology and statistics is available in the department office. For the teacher certification option, the certification requirements fulfill this recommendation. A student who plans to pursue graduate study in mathematics is urged to take MAT 411-412.

Requirements for a Major in Mathematics for the B.A. degree: The B.A. degree options are designed with the goals of a broad liberal education in mind. Certified secondary school teachers with a B.A. in mathematics are in high demand, as are qualified applicants for graduate schools in mathematics. Additionally, a B.A. degree in mathematics is regarded as excellent preparation for entrance to professional schools of law, medicine or business.

Core requirements: MAT 161-162, 261, 275, 335, STT 262 and PHY 201. In addition, a student must fulfill the requirements of one of the following options:

Option 1. Mathematics: This option is designed to provide the greatest flexibility to allow a student to achieve personal educational goals or to combine a mathematics major with a minor. In addition to the core requirements, the student must complete: one of CSC 111, 112, 121; MAT 336; MAT 366 or 411; and 15 additional hours in mathematics at the 300-400 level, including either one of MAT 337, 367, 412, 415, 421, 457, or a two-course sequence approved by the chair of the Department of Mathematical Sciences. Recommended areas related to mathematics: biology, chemistry, computer science, earth sciences, economics, physics, production and decision sciences, psychology, sociology, statistics.

Option 2. Teacher Certification in Mathematics. This option is designed to prepare students to teach mathematics at the secondary level. For details on certification requirements, see the section of this catalogue under Watson School of Education. In addition to the core requirements, the student must complete: one of CSC 111, 112, 121; MAT 336, 345, 346; 366 or 411; STT 362; and three additional hours in mathematics at the 300-400 level.

Requirements for a Major in Mathematics for the B.S. degree: The B.S. degree options are designed to provide flexibility and adequate preparation for graduate school, while empha-

sizing mathematical reasoning, modeling, and problem solving, all within the context of preparing the student for a career in mathematics in business, industry, government, or academia. Recommended courses in areas related to mathematics provide the requisite experience and practice in mathematical applications.

Core requirements: MAT 161-162, 261, 335, either 471 or 495, and STT 262. Each student must fulfill the requirements of one of the following options.

Option 1. Mathematics. This option provides a broad, traditional perspective of mathematics and its scientific application in addition to depth of study in several areas of mathematics. In addition to the core requirements, the student must complete: one of CSC 111, 112, 121; MAT 275, 336, 361; either 366-367 or 411-412; either 321 or 375; one of 345, 425, 451, 457 or STT 362; PHY 201-202; and six additional hours of electives in the Mathematical Sciences Department at the 300-400 level. Recommended areas related to mathematics: biology, chemistry, computer science, earth sciences, economics, physics, production and decision sciences.

Option 2. Applied Mathematics. This option emphasizes analytical methods and the use of differential equations in mathematical modeling. Career opportunities in business, industry, government and academia involve applications primarily in the natural sciences and engineering. In addition to the core requirements, the student must complete: CSC 111 or 121; MAT 336, 361, 366-367; PHY 201-202; and 15 additional hours of mathematics or statistics at the 300-400 level including nine hours selected from: MAT 415, 418, 419, 425, 457, 463, 465, 475. Recommended areas related to mathematics: biology, chemistry, computer science, earth sciences, economics, physics.

Option 3. Operations Research. This option emphasizes the use of combinatorial, algebraic and probabilistic methods in mathematical modeling and provides a scientific approach to optimal decision making. Career opportunities in business, industry and government usually involve optimizing a specific management objective such as profit or the scheduling of people or equipment often subject to constraints on scarce resources such a capital or facilities. In addition to the core requirements, the student must complete: one of CSC 111, 112, 121; MAT 275, 336, 375, 435; 366 or 411; either 436 or 465; STT 362; one of PHY 201, ECN 321, PDS 314; and nine additional hours of electives in the Mathematical Sciences Department at the 300-400 level. Recommended areas related to mathematics: computer science, economics, production and decision sciences.

Option 4. Statistics. This option emphasizes the foundation, practice and application of statistics. Career opportunities in business, industry, government and academia involve statistical analysis and quality control. In addition to the core requirements, the student must complete: CSC 111 or 121; MAT 336; 366 or 411; STT 362, 440, 466-467; six additional hours of mathematics electives at the 300-400 level; and nine additional hours of statistics electives at the 300-400 level. Recommended areas related to statistics: biology, computer science, earth sciences, economics, psychology, sociology and anthropology, production and decision sciences.

An overall average of 2.00 or better is required for all 300-400 level mathematics or statistics courses counted toward the major.

Note: Students interested in a degree program in mathematics are encouraged to begin their mathematics study with Calculus I (MAT 161). Initial placement in mathematics is based on high school background and the Mathematics Placement Test. Students not prepared for calculus in their first semester should begin with MAT 115 or 111-112, as appropriate.

Requirements for a Minor in Mathematics: MAT 161-162 and at least 12 hours selected from mathematics courses numbered 261 or higher, or STT 262 or STT 362. These hours must include one of the following: MAT 261, 275 or 335. At least six hours must be from coursework at the 300 or 400 level. An overall quality point average of 2.00 or better is required for all courses counted toward the minor.

STATISTICS

Requirements for a Minor in Statistics: MAT 151-152 or 161-162; STT 262 and 362, and at least nine additional hours in statistics at the 300-400 level. An overall quality point average of 2.00 or better is required for all courses counted toward the minor. For the requirements for a bachelor of science degree with an option in statistics, see the requirements for the major in mathematics, B.S. Option 4.

MUSIC

(See Fine Arts)

NATIVE AMERICAN STUDIES

(Interdepartmental)

Dr. L. Schweninger, *coordinator.*

The College of Arts and Science offers an interdisciplinary minor in Native American studies (NAS) which focuses on the history, cultures, religions, arts, and literatures of American Indians.

Requirements for a Minor in Native American Studies: Core: ANT 215, HST 349, and ENG 356. Electives: nine additional credits from ANT 304, ANT 305, ANT 307; HST 350, P&R 350*, or any appropriate special topics course or seminar as offered, with the approval of the NAS minor coordinator. The minor requires a total of 18 hours. Students must earn at least a "C" average in courses counted for a minor in Native American studies. Courses taken to fulfill major requirements cannot be used to fulfill requirements for the minor in Native American studies.

*An additional course in fine arts, American Indian art, can be taken as an elective once it has been approved.

PHILOSOPHY AND RELIGION

Dr. W. Conser, *chair.* Dr. Altrichter, Dr. Astren, Dr. Gauthier, Dr. Habibi, Dr. McGowan, Dr. Megivern, Dr. Murrell, Dr. Schmid, Dr. Thysell, Dr. Turrisi, Dr. Wilson.

Requirements for a Major in Philosophy and Religion for the B.A. degree:

I. B.A. degree with emphasis in Philosophy: P&R 101, 103, 110, 115, 201, 202, 400, and 15 additional hours including at least nine at the 300-400 level.

II. B.A. degree with emphasis in Religion: P&R 101, 103, 110, 125, 230, 232, 400; two courses from 235, 236, 238, 240, 245, 246, 247, or 248; and nine additional hours at the 300-400 level.

Requirements for a Minor in Philosophy: P&R 101, 110, 115, and 201 or 202; an additional nine hours in philosophy courses at the 300-400 level. An overall "C" average in courses counted toward the minor.

Requirements for a Minor in Religion: P&R 103, 125, 230, 232; an additional nine hours in religion courses at the 300-400 level. An overall "C' average in courses counted toward the minor.

PHYSICAL EDUCATION

(See Health, Physical Education, and Recreation)

PHYSICS

World-Wide-Web URL: http://pootie.phy.uncwil.edu/

Dr. E. Olszewski, *chair.* Dr. Alexanian, Dr. Bingham, Dr. Clator, Dr. Davis, Dr. Haywood, Dr. Hernandez, Dr. Moss.

Requirements for a Major in Physics for the B.A. degree: PHY 201-202, 260, 321, 335, 400, plus six hours of physics course electives at the 300-400 level; CHM 101-102; MAT 161-162 and 261. Physics majors working toward certification for secondary school teaching must also complete Teacher Education Program requirements. Teacher certification requirements are established at the state level and may be changed by the state at any time. **A "C" or better on each physics course.**

Requirements for a Major in Physics for the B.S. degree: PHY 201-202, 311, 321-322, 335, 400 (for three credit hours), 411-412, 444, 455, 495 (for one credit hour); CHM 101-102; MAT 161-162, 261, 335, and 361. **A grade of "C" or better is required in each physics course counted toward the major.**

Requirements for Teacher Certification in Physics: In addition to completing the requirements for a degree in physics (see above) and the other requirements of the Teacher Education Program, the following courses are also required for certification: BIO 110; GLY 120.

Note: Students interested in the B.S. degree in physics are advised to take the PHY 201-202 sequence in the freshman year.

Requirements for a Minor in Physics: PHY 201-202, 335 and six additional hours in physics, not to include PHY 101, 102, or 105; at least three of these additional hours must be at the 300-400 level. **A grade of "C" or better is required in each physics course counted toward the minor.**

POLITICAL SCIENCE

Dr. E. Sheridan, *chair.* Dr. Ahmad, Dr. Johnston, Dr. Jones, Dr. Kleinberg, Dr. Lowery, Dr. Meinhold, Ms. Wang.

Requirements for a Major in Political Science for the B.A. degree: 39 hours of political science which must include 101, 111, 210 and 211. Twenty-one hours must be at the 300-400 levels and at least one 300-400 level course must be taken in each of the following sub-fields: American government and politics, political theory and methodology, international relations, and comparative government. Students are expected to complete the required lower level courses before upper level ones.

A 2.00 grade point average over-all on 300-400 level political science courses is required, and **at least a "C" grade is mandatory in the specific courses required in the department listed above.**

All persons taking a major in political science must take either Introduction to Statistics with Applications in the Social Sciences (STT 205) or six hours in a foreign language chosen from the following courses: 101, 102, 120, 201, 202, or upper level courses for which 202 is a prerequisite. Students planning to do graduate work are encouraged to study a modern foreign language and to acquire a basic knowledge of computer science, statistics and calculus.

Political science majors seeking certification in social studies must complete a total of 21 hours collateral including HST 101, 102, 103, 201, and 202, and at least one course in each of the following areas: economics, geography, and sociology/anthropology.

For information on the Teacher Education Program admissions criteria and the courses required for licensure (eg. certification) in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year), and plan their programs in regular consultation with their advisors.

Requirements for a Minor in Political Science: 24 hours in political science with at least 12 hours selected from 300-level courses or above. Courses to be distributed as follows: PLS 101, 111; at least one course in American government and politics (300, 301, 302, 303, 304, 305, 307, 308, 309, 316, 340, 405, 406, 407); at least one course in political theory and methodology (310, 312, 313, 314, 315, 411, 415); at least one course in international relations (422, 423, 425, 426, 427); at least one course in comparative government and politics (330, 331, 335, 336, 338, 339).

PORTUGUESE

(See Foreign Languages and Literatures)

PSYCHOLOGY

Dr. L. Jackson, *chair.* Dr. Applefield, Dr. Bradley, Dr. Brown, Dr. Bruce, Dr. Cohen, Dr. Eckhardt, Dr. Galizio, Dr. Hakan, Dr. Johnson, Dr. Johnston, Dr. Keith, Dr. Kishton, Dr. Kowal, Dr. Lamb, Dr. Loren, Dr. MacKain, Dr. Noel, Dr. Overman, Dr. Pilgrim, Dr. Puente, Dr. Sawrey, Dr. Simmons, Dr. Williams.

Students may declare a major in psychology after completion of PSY 105 with a grade of "C" or higher, and with an overall grade point average of 2.30 or higher, and complete BIO 105 or 206, and MAT 111 or more advanced mathematics courses with grades of 2.00 (C) or higher.

Requirements for a Major in Psychology for the B.A. degree: PSY 105, 225, 355, 405, one course from each of the five categories listed below, and 12 additional hours in PSY courses at the 300-400 level. PSY 210, 245 or 265 may be substituted for three of these hours. Category 1: PSY 220, 221, 223, 320 or 324. Category 2: PSY 410, 412, or 417. Category 3: PSY 418, 456 or 457. Category 4: PSY 346, 347 or 365. Category 5: PSY 350, 352, 425, or 465. A grade of "C" or better is required in PSY 105, and no more than one course with a grade of "D" can count toward the requirements for a major in psychology. There also must be a "C" (2.00) or better average on all courses counted towards the major. Additional requirements for the major include a course selected from BIO 105 or BIO 206 and a "C" or better in MAT 111 or more advanced mathematics course.

RECREATION

(See Health, Physical Education and Recreation)

RELIGION

(See Philosophy and Religion)

SCIENCE, THE HUMANITIES AND SOCIETY

(Interdepartmental)

Dr. P. Turrisi, *coordinator.*

The College of Arts and Science offers an interdisciplinary minor in science, the humanities and society (SHS), which focuses on an understanding of why and how scientific research is done and an appreciation of complex scientific, technological and societal problems and achievements within a philosophical and historical context.

Requirements for a Minor in Science, the Humanities and Society: Core: SHS 110, HST 275, and P&R 345. Electives: 12 additional credits of designated SHS courses are required to complete the minor. Six credits must be from a single department, the other six credits must be from two other departments. Six of the 12 credits must be at the 300 or 400 level. Students should contact the coordinator in the Department of Philosophy and Religion for a list of current designated courses.

SOCIAL WORK

(See Sociology and Anthropology)

SOCIOLOGY AND ANTHROPOLOGY

Dr. S. McNamee, *chair.*

The Department of Sociology and Anthropology is comprised of anthropology, criminal justice, social work and sociology. The B.A. degree is offered in anthropology, criminal justice, and sociology, and the B.S.W. degree in social work.

ANTHROPOLOGY

Dr. Albert, Dr. Lerch, Dr. Loftfield, Dr. McCall, Dr. Morden, Dr. Sabella.

Requirements for a Major in Anthropology for the B.A. degree: ANT 206, 207, ANTL 207, ANT 210, 345, 450 and 21 additional hours comprised of two courses from each of the first three subfields listed below and one from the linguistics group. Physical: 320, 322, 324, 326, 430. Archaeology: 307, 311, 411, 412, 455. Cultural: 301, 302, 303, 304, 305, 306, 309, 317, 350, 387. Linguistics: ANT 208, PSY 311, ENG 320, 322. Students contemplating a professional career in anthropology are urged to study a foreign language and acquire basic skills in computer science and statistics. Anthropology advisors may recommend additional courses in the sciences, humanities, or mathematics commensurate with individual career plans. A "C" grade point average is required in anthropology courses, and at least a "C" grade is required for specific courses used to satisfy any of the requirements listed above.

Requirements for a Minor in Anthropology: ANT 206, 207, 210, and 12 additional hours at least six of which are at the 300-400 level. ANTL 207 may be taken as an elective but is not required. In selecting the courses to fulfill the minor requirements, students are strongly encouraged to consult with the anthropology faculty. A "C" grade point average is required among anthropology courses used to satisfy the above requirements.

CRIMINAL JUSTICE

Dr. Adams, Dr. Evans, Dr. LaGrange, Mr. Lynch, Dr. Marciniak, Dr. Snowden, Dr. Willis

Requirements for a Major in Criminal Justice for the B.A. degree: CRJ 105, 210, 220, 230, and 450 (15 hours); SOC 105, 301, 302, and 360 (12 hours); any two of SOC 315, 325, 335, 340, 355, 375, 380, or 449 (6 hours); and any three of CRJ 110, 294, 310, 315, 370, 380, 405, 410, 415, 420, 490/490L, or 495 (9 or 10 hours). An overall grade point average of 2.00 or better is required among criminal justice and sociology courses used to satisfy the major.

SOCIAL WORK

Dr. J. Nasuti, *director.* Dr. Blundo, Dr. Desselle, Dr. Rath

The primary mission of the social work program is to prepare students for beginning level, generalist social work practive in a variety of public and private social service agencies that are responsible for improving the well-being of individuals, family groups, and communities. Students may apply for admission to the social work program after completing SWK 235, 240, and 320 with a grade point average (for those courses) of at least 2.30. Students have to be admitted to the Social Work program before enrolling in social work courses numbered above 330.

Requirements for a Major in Social Work for the B.S.W. degree: SWK 235, 240, 306, 307, 320, 321, 341, 355, 435, 442, 443, 496, and 497; and one of the following: SWK 310, 311, 315, or 318 (48 hours). Additional courses required: SOC 105, PSY 105, BIO 105 or BIO 240, PLS 101. Students are required to earn a grade of "C" or better in all required social work courses and a grade point average of 2.00 or better in all prerequisite and collateral courses required for the major.

SOCIOLOGY

Dr. Bullers, Dr. Covan, Dr. Dixon, Dr. Faulkner, Dr. King, Dr. Levy, Dr. McNamee, Dr. Mele, Dr. Miller, Ms. Veit.

Requirements for a Major in Sociology for the B.A. degree: SOC 105, 301, 302, 360, 406, 490; one course from each of the five categories listed below; and nine additional hours of sociology courses. Category 1 (social institutions): SOC 200, 303, 337, 344, 345, 346, 347. Category 2 (socialization and the life course): SOC 220, 336, 348, 349, or 365; Category 3 (population and ecology): SOC 205, 230, 305, 315, 340, 416, 438, 485; Category 4 (social inequality and social change): SOC 325, 326, 350, 366, 380, 486. Category 5 (deviance and social control): SOC 215, 335, 355, 375, 433, 449. A maximum of nine hours below the 300 level may be used to satisfy the above requirements. An overall grade point average of 2.00 or better is required among sociology courses used to satisfy the major.

Requirements for a Minor in Sociology: SOC 105; one course from each of the five categories listed below; and three additional hours of SOC. Category 1 (social institutions): SOC 200, 303, 337, 344, 345, 346 or 347. Category 2 (socialization and the life course): SOC 220, 336, 348, 349 or 365. Category 3 (population and ecology): SOC 205, 230, 305, 315, 340, 416, 438, or 485. Category 4 (social inequality and social change): SOC 325, 326, 350, 366, 380, or 486. Category 5 (deviance and social control): SOC 215, 335, 355, 375, 433, or 449. A maximum number of six hours below the 300 level may be used to satisfy any of the above requirements. Also, an overall grade point average of 2.00 or better is required among all sociology courses used to satisfy the minor.

SPANISH

(See Foreign Languages and Literatures)

STATISTICS

(See Mathematical Sciences)

THEATRE

(See Fine Arts)

WOMEN'S STUDIES

(Interdepartmental)

Dr. K. Berkeley, *coordinator.*

Requirements for a Minor in Women's Studies: Students must select six-nine semester hours from the designated core courses and additional hours from the designated electives (see lists below) to total at least 18 semester hours. Students must select from at least three different disciplines when choosing electives. Up to three semester hours of Directed Individual Study, approved by the program coordinator, may be included as electives. Core courses: ANT 303, ENG 230, HST 237, P&R 292, SOC 350. Electives: CLA 330, ENG 373, HEA 205, HST 330, HST 483, PLS 316, PSY 366, SOC 345

DEGREE REQUIREMENTS

CAMERON SCHOOL OF BUSINESS ADMINISTRATION

Howard O. Rockness, *dean*
Vince Howe, *associate dean*
William W. Hall, *director*, Center for Business and Economics Services
Rebecca I. Porterfield, *director*, MBA Program
Jack D. Baker, *director*, MSA Program
Robert J. Keating, *chair*, Undergraduate Curriculum Committee

The Cameron School of Business Administration is a comprehensive business school offering undergraduate degrees in accountancy, economics, finance, management, marketing, and business systems, as well as a Master of Business Administration and a Master of Science in Accountancy. The school is committed to the highest quality business education for our students. Its primary goal is to enable students to discover how to learn and, in the process, to instill both the desire and capacity for lifelong learning and development. Its first priority is excellence in teaching.

The school works continuously to maintain a vibrant curriculum which focuses on application of concepts as well as theoretical development. It maintains a scope which includes regional, national, and international perspectives within an evolving global business community. The school strives for balance in the teaching of knowledge about business management and management perspectives, analytical and interpersonal skills, as it prepares students to make the transition to socially responsible citizenship. To that end, the school encourages intellectual curiosity; creative, rational, and ethical thinking; and thoughtful oral and written expression.

The school encourages the continuous improvement of teaching methods in order to maintain its competitive advantage, and to enhance its several strengths: small classes; knowledgeable and experienced faculty; concerned and caring counseling by an approachable and accessible faculty and staff; and vigorous interactive involvement of faculty and staff as well as students in the learning process. The school encourages and supports applied and theoretical research to strengthen teaching and to contribute to the extension of knowledge in its disciplines. Through research, publication, participation in programs of professional organizations, and other scholarly activity, faculty members remain current and sustain their intellectual vigor, both in and out of the classroom.

The school seeks to contribute to the economic development of the region by providing programs and services to the local and regional business community. Through strengthening ties with the business community, the school stimulates awareness of available programs and services, and ensures that such programs and services remain responsive to the needs of the region.

DEGREE PROGRAMS AND REQUIREMENTS

The B.S. degree is offered with majors in six areas:

Accountancy	Business Management
Finance	Marketing
Economics	Business Systems

The B.A. degree with a major in economics is offered for those students who want to study economics in the liberal arts tradition.

REQUIREMENTS FOR ADMISSION

Requirements for admission to the Cameron School of Business Administration are listed on page 105. Each applicant must have completed a minimum of 44 semester hours with a cumulative grade point average of 2.20 or better, with the following courses completed at the time of application: ENG 101-102, MAT 111 or 115, *ACG 201, ECN 221.

During the semester of application each applicant must be enrolled in or have completed: MAT 151 or 161, ECN 222, *PDS 217, *ACG 203.

*Students enrolling in the B.A. program in economics are not required to complete ACG 201 or 203 and may substitute STT 205 or 215 for PDS 217.

Students may not enroll in restricted courses nor enroll in more than 15 semester hours within the school beyond preadmission courses without being formally admitted to the school.

REQUIREMENTS FOR THE B.S. DEGREE

Students may qualify for the B.S. degree by:

(1) Successful completion of requirements as stated under University Regulations on pages 74-75;
(2) Attaining a minimum grade point average of 2.00 on all courses attempted in the Cameron School of Business Administration;
(3) Successful completion of the courses designated for the degree program:
   (a) Basic Studies (45 semester hours): Completion of a basic studies program as defined on pages 96-98 of this catalog. Students seeking the B.S. degree must include MAT 111 and 151 (or the equivalent) and ECN 221-222 in their basic studies program under categories (E,2) and (F), respectively.
   (b) Cameron School of Business Administration Core Requirements (37 semester hours): All candidates for the B.S. degree must complete the following core requirements: ACG 201-203, PDS 217, BLA 361, ECN 324, MGT 350, MKT 340, FIN 335, PDS 313, PDS 314, PDS 317, MGT 455.
   (c) Major Courses: Each candidate for the B.S. degree must complete one of the following groups of courses for a major:

ACCOUNTANCY (21 semester hours): ACG 301-302, ACG 305, ACG 306, ACG 404, ACG 407, plus one course from ACG 307, ACG 403, ACG 405, ACG 410 and BLA 461. Students planning to write the CPA examination are advised that most states require 150 semester hours of course work to be licensed to practice as a Certified Public Accountant. Students with a four-year degree who wish to sit for the CPA Exam in North Carolina should complete the following elective courses: ACG 403, ACG 405, and BLA 461.

BUSINESS MANAGEMENT (18 semester hours): MGT 356, MGT 358, MGT 450, plus three courses from MGT 351, MGT 352, MGT 353, MGT 354, MGT 357, MGT 453, MGT 456, MGT 495, BLA 461.

International Business Option: ECN 326, ECN 426, MGT 352, MKT 442, and <u>two</u> courses from the CSBA International Committee's approved list.

General Business Option: Students taking night classes because of daytime work requirements can (with the approval of the Dean's Office) select six additional three-hour credit CSBA undergraduate courses numbered above 299. The selected courses are in lieu of the Business Management major requirements.

BUSINESS SYSTEMS (18 semester hours): PDS 318, PDS 414, one PDS course numbered above 299, and either Option (1) Information Systems: PDS 315, PDS 413, PDS 415; or Option (2) Production Systems: PDS 319, PDS 417, PDS 419.

ECONOMICS (18 semester hours): ECN 321-322, ECN 328, ECN 495, plus two courses (one of which must be numbered above 399) from ECN 323, ECN 325, ECN 326, ECN 329, ECN 421, ECN 422, ECN 426, ECN 427, ECN 428, ECN 433.

FINANCE (18 semester hours): FIN 330, FIN 336, FIN 436, FIN 430 or 437, plus two courses (one of which must be numbered above 399) from FIN 331, FIN 332, FIN 430, FIN 431, FIN 433, FIN 437, FIN 438, FIN 439, FIN 495.

MARKETING (18 semester hours): MKT 341, MKT 349, MKT 445, plus three courses from MKT 344, MKT 346, MKT 347, MKT 348, MKT 442, MKT 447, MKT 448, MKT 495.

(d) Elective Courses: completion of elective courses sufficient to complete a minimum of 124 semester hours of course credit. Electives are to be chosen by the student after consulting with the faculty advisor, with no more than nine semester hours of electives selected from courses in the Cameron School of Business Administration.

(4) Students seeking the B.S. degree with a major in Accountancy must also earn a minimum grade point average of 2.00 on all accounting courses attempted in the Cameron School of Business Administration.

Students seeking the B.S. degree in the Cameron School of Business Administration are encouraged to plan their schedules to include the following:

First Year: Fall—ENG 101 and MAT 111 or 115
Spring—ENG 102 and MAT 151 or 161
Second Year: Fall—ACG 201 and ECN 221
Spring—ACG 203, ECN 222, and PDS 217.

REQUIREMENTS FOR THE B.A. DEGREE IN ECONOMICS

Students may qualify for the B.A. degree by:

(1) Successful completion of requirements as stated under University Regulations on pages 74-75;
(2) Attaining a minimum grade point average of 2.00 on all economics courses attempted in the Cameron School of Business Administration; and
(3) Successful completion of the courses designated for the degree program:
(a) Basic Studies (45 semester hours): Completion of a basic studies program as defined on pages 96-98 of this catalog. Students seeking the B.A. degree must include MAT 111 and 151 (or the equivalent) and ECN 221-222 in their basic studies program under categories (E,2) and (F), respectively.
(b) Major Courses (27 semester hours): PDS 217 or STT 205 or STT 215, ECN 321-322, ECN 324, ECN 326 or 421, ECN 328, ECN 495, plus six additional semester hours in economics courses numbered above 299.
(c) Collaterals (21 semester hours): 21 semester hours from at least two of the following: anthropology, geography, history, political science, psychology, sociology. A mini-

mum of six hours must be taken in at least two areas, and at least nine hours must be courses numbered above 299.

(d) Electives (31 semester hours): Elective courses selected after consultation with the student's academic advisor.

ACCOUNTANCY AND BUSINESS LAW

Dr. J. Marts, *chair.* Mr. Appleton, Dr. J. Baker, Mr. Earney, Dr. Elikai, Mr. Hanson, Dr. Kaylor, Dr. Key, Dr. H. Rockness, Dr. J. Rockness, Mr. Roscher, Ms. Sawyer, Mr. Schenkel, Dr. J. Smith.

The Department of Accountancy and Business Law provides courses and other academic support for the B.S. degree with a major in accountancy.

The B.S. degree with a major in accountancy provides the student with the analytical foundation of the discipline of accountancy. Included are the special tools and techniques of planning and control using financial and managerial accounting, income taxes, cost analysis, and systems.

Students establish qualifications for careers in public accounting, industrial, governmental, and other positions requiring managerial and analytical skills. The accounting major provides an excellent background for graduate and other professional education.

The elements of planning, administration, and control covered in the accounting courses are essential to all areas of business. Many of the courses offered benefit students majoring in other fields by furnishing a comprehensive background of business procedures and financial relationships. Likewise, students majoring in accountancy find it advantageous to concentrate their elective courses in quantitative and computer information areas as well as communication and interpersonal areas.

A graduate of the Cameron School of Business Administration who has completed a major in accountancy is qualified by the Institute of Management Accounting to write the CMA examination. A student graduating with an undergraduate degree with a major in accountancy is permitted by the North Carolina State Board of Accountancy to sit for the Uniform CPA Examination. However, students should be aware that in most states 150 hours of course work are required to be licensed as a CPA.

The courses in business law and legal environment provide the study of how the legal environment influences and is influenced by changing social and ethical values. Courses include study of administrative law and the Uniform Commercial Code as well as the organization and role of business enterprises in society and their relationships in government and society.

ECONOMICS AND FINANCE

Dr. C. Farrell, *chair.* Dr. Carter, Dr. Christophe, Dr. Copley, Dr. Hall, Dr. Hill, Dr. Howell, Dr. Lawson, Dr. Morgan, Dr. Robinson, Dr. Sigler, Dr. Wadman.

The Department of Economics and Finance provides courses and other academic support for the B.S. degree with majors in economics and finance and the B.A. degree with a major in economics.

The economics and finance programs prepare students for careers which emphasize an understanding of the operation of the economy and the proper choice of policies by both government and business enterprises. The economics majors represent a more general area of

study, preparing the student to enter government service, industry, or to pursue a graduate program in economics, business, public administration or other social science disciplines.

The B.S. degree with a major in economics is designed to provide orientation of the individual and the firm in economic society. The student is required to supplement the study of economics with a variety of business and accounting courses.

The B.S. degree with a major in finance consists of four separate but related areas—business finance, investments, financial institutions, and personal financial planning. The finance curriculum prepares students for graduate study and for careers in corporate financial management, the investments and securities business, and the management of banking and nonbank financial institutions. The generalized applicability of finance and the basic tools of financial analysis are emphasized in the courses.

The B.A. degree with a major in economics is designed for the student who wants to study economics in the liberal arts tradition. The study of a wide variety of economics courses is supplemented by a study of history and the social sciences. Both degree programs develop an understanding of contemporary economic problems and institutions and provide a study of economic issues both in an historical setting and under conditions of change.

MANAGEMENT AND MARKETING

Dr. T. Hunt, *chair*. Dr. Adams, Dr. T. Baker, Dr. Bejou, Dr. Engdahl, Dr. Galbraith, Dr. Harper, Dr. Hoffman, Dr. Howe, Dr. J. Hunt, Dr. Keating, Dr. Latham, Dr. Porterfield.

The Department of Management and Marketing provides courses and other academic support for the B.S. degree with majors in business management and marketing. The management and marketing degree programs prepare students for careers in product and service organizations at the regional, national, or international level. Programs can also be tailored for students wishing to pursue careers in legal, government, and not-for-profit institutions. The management or marketing major is permitted some latitude in selecting courses and may choose various electives to design the most suitable program.

The management major may elect from such areas as human resource management, organization behavior, small-business management, hospitality management, and international management. Marketing majors may choose from several areas including sales management, promotions, marketing research, services marketing, retailing, distribution, and international marketing.

PRODUCTION AND DECISION SCIENCES

Dr. A. Gowan, *chair*. Dr. Anderson, Dr. Badarinathi, Dr. Canel, Dr. Garris, Dr. Mathieu, Dr. Rosen, Dr. Schell, Dr. Wray.

The Department of Production and Decision Sciences provides courses and other academic support for the B.S. degree with a major in business systems.

Each course in the department focuses on analytical approaches to decision making in business organizations. Core courses offered by the department and required of all students in the Cameron School of Business Administration include statistical analysis, management science, management information systems, and production and operations management.

A major in business systems is designed to prepare students for positions as analysts in either management information systems or production systems. Business systems students

will enhance their understanding of and develop their skills with quantitative methods used to solve business problems. Those methods will be applied within a framework of systems concepts and will enable the student to approach and solve problems in a structured way.

Courses in the major depend heavily upon computer usage and will give students the opportunity to develop practical skills with computers. Students contemplating the degree in business systems are encouraged to take at least one introductory course in computer programming prior to applying for admission to the Cameron School of Business Administration.

DEGREE REQUIREMENTS

WATSON SCHOOL OF EDUCATION

Robert E. Tyndall, *dean*
Carol Chase Thomas, *associate dean*, Academic Programs
E. Conrad Sloan, *associate dean*, Organizational Development
Bradford L. Walker, *director*, Student Services

The Donald R. Watson School of Education is a community of scholars dedicated to teaching, learning, creating, and extending knowledge through research. The faculty strives to model effective teaching practices, provide a variety of understandings related to the field of education, encourage application of generalizations learned in field experience sites, enhance collaborative efforts with public and private school systems through a myriad of service activities, and contribute to the knowledge base by engaging in theoretical and applied research. Our mission is to produce competent and effective teachers and administrators for the public schools of our region, state, and nation.

The Watson School of Education offers programs of study leading to the Bachelor of Arts degrees in education of young children, elementary education, middle grades education, and special education, and programs leading to secondary (9-12) and special subjects (K-12) teacher licensure. In addition, graduate programs in elementary education, middle grades education, reading education, special education, school administration, and the Master of Arts in Teaching are offered.

Responsibility for the degree and licensure (i.e., certification) programs within the Watson School of Education is shared by the Department of Specialty Studies and the Department of Curricular Studies.

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson School of Education and to the Teacher Education Program. Admission is required before enrollment in education courses in the upper division (300 and 400 level). Requirements for admission are:

1. Completion of the university requirements in English, mathematics and a science laboratory course with a grade of "C" or better in each course.

2. Completion of EDN 200, "Teacher, School and Society", with a grade of "C" or better.

3. Completion of four semesters or two academic years of full-time college study or completion of required general studies program with a minimum overall grade point average of 2.50 on a 4.00 scale on work attempted at UNCW. Transfer students must earn a 2.50 on a minimum of 12 hours completed at UNCW.

4. Passing scores on teacher education entry tests specified and mandated by the Board of Education of the State of North Carolina.

(Note: Licensure requirements change, and program requirements must be adjusted to accommodate new mandated competencies and guidelines. Students must meet the Teacher Education Program requirements in place at the time of their eligibility for admission to the Watson School of Education. Similarly, they must meet the licensure requirements in effect at the time their applications are submitted to the North Carolina State Department of Public Instruction. Students are advised to check with their advisors or the associate dean's office to stay informed of programmatic changes.)

SPECIALTY STUDIES

Dr. R. Harkin, *interim chair.* Dr. Bachner, Dr. Bryan, Dr. Crawford, Dr. A. Hayes, Dr. Hayn, Dr. Howard-Vital, Dr. Johnston, Dr. Martinez, Dr. Moallem, Dr. Mory, Dr. Mullendore, Dr. Nottingham, Dr. Rogers, Dr. E. Sloan, Dr. Smith, Dr. Tyndall, Dr. Wetherill.

The Department of Specialty Studies provides basic professional education courses for the undergraduate programs in elementary, middle grades, secondary, special education, and special subjects (K-12) teacher licensure. The department also is responsible for the programs of study leading to the Master of School Administration and the Master of Arts in teaching. The Master of School Administration and the Master of Arts in Teaching programs are described in the Graduate School Catalogue.

CURRICULAR STUDIES

Dr. E. Wright, *chair.* Dr. Applefield, Dr. Bartolome, Dr. Burton, Ms. Chandler, Dr. H. Hayes, Dr. Huber, Dr. Jones, Dr. Kermani, Dr. LaNunziata, Dr. Lockledge, Dr. Raab, Dr. M. Sloan, Dr. Thomas, Dr. Walker.

The Department of Curricular Studies is responsible for the programs of study leading to the bachelor of arts degrees in education of young children, elementary education, middle grades education, and special education. The department also is responsible for the graduate programs leading to the Master of Education in elementary education, middle grades education, reading education, and special education. These programs are described in the Graduate School Catalogue.

The Bachelor of Arts program in the education of young children leads to North Carolina teacher licensure in birth through kindergarten. The Bachelor of Arts program in elementary education leads to North Carolina teacher licensure in grades kindergarten through six. The Bachelor of Arts program in middle grades education leads to North Carolina teacher licensure in grades six through nine. The special education program prepares teachers to serve mildly handicapped children from kindergarten through grade 12 in public schools and in various other service agencies and leads to North Carolina teacher licensure in one of three areas of exceptionality: learning disabilities, mental retardation, and behaviorally/emotionally handicapped.

Each degree program is designed to meet North Carolina State Board of Education guidelines for teacher licensure and includes courses in basic studies, professional education and collateral areas, and a content specialization. Adjustments in program requirements are made as guidelines change. All programs offered by the Watson School of Education are accredited by the appropriate state, regional, and national accrediting agencies. It is anticipated that students will graduate within four years of admission to the university. Students may obtain specific information on recommended course sequences leading to timely graduation by contacting the appropriate academic advisor or the chair of the Department of Curricular Studies.

Competency in oral and written communications is considered to be particularly important for entry into the teaching profession. As a result, skills in oral and written communications are stressed in courses throughout the programs of study leading to teacher licensure, and are evaluated during the practicum semester.

DEGREE REQUIREMENTS FOR EDUCATION OF YOUNG CHILDREN

Basic Studies

Students should follow basic studies requirements of the University of North at Wilmington as outlined in a previous section of the catalogue.

Interdisciplinary Core

BIO	235	Genetics in Human Affairs
EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	303	Instructional Technology
HEA	201	First Aid, Safety, and Cardiopulmonary Resuscitation
HEA	207	Nutrition
PSY	220	Child Psychology
SOC	262	Sociology of Childhood

Interdisciplinary Specialty

EDN	380	Child Observation and Assessment
EDN	382	Literacy Development in the Early Years
EDN	383	Conceptual Understandings of the Physical World
EDN	385	Field Experiences
EDN	430	Preschool Curriculum
EDN	450	Infant and Toddler Program Models
EDN	451	Adaptive Practices in Early Childhood
MUS	227	Music in Early Childhood
NUR	345	Health Maintenance Needs for Young Children
PED	350	Motor Behavior
PSY	320	Psychology of Exceptional Children
PSY	323	Psychology of Infancy and Early Childhood
SWK	311	Child Abuse and Neglect

Professional Semester

EDN	460	History and Administration of Preschool Education
EDN	465	Practicum

NOTE: A grade of "C" or better is required in education courses, as well as all courses in the Interdisciplinary Specialty and the Professional Semester. Students may repeat courses in which they earn a grade lower than a "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for the practicum semester. 124 semester hours are required for graduation.

DEGREE REQUIREMENTS FOR ELEMENTARY EDUCATION

Basic Studies

Students should follow basic studies requirements of the University of North Carolina at Wilmington as outlined in a previous section of the catalogue.

Professional Core

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
EDN	301	Instructional Design and Evaluation
EDN	303	Instructional Technology
PSY	223	Lifespan Human Development

Professional Education

EDN	319	Meeting Needs of Special Students in Elementary Schools
EDN	322	The Teaching of Mathematics, (K-6)
EDN	334	Social Studies Curriculum and Instruction, (K-6)
EDN	336	The Teaching of Science and Health, (K-6)
EDN	340	Reading Foundations, (K-6)
EDN	344	Literature in the Elementary School, (K-6) (or ENG 380)
EDN	348	The Teaching of Communication Arts, (K-6)
HEA	304	Health and Safety in Education, (K-9)
		or
HEA	105	Individual Well-Being

Professional Semester

EDN	410	Seminar in Education, (K-6)
EDN	411	Practicum, (K-6)

NOTE: A grade of "C" or better is required in all professional courses in the elementary program. Students may repeat courses in which they earn a grade lower than a "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 24 semester hours is required. A maximum of six semester hours of basic studies may be included in the academic concentration. Specific course requirements for the various concentrations may be obtained from the academic advisors in the Watson School of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, biology, chemistry, English, environmental studies, French, geography, geology, history, marine biology, mathematics, music, philosophy and religion, political science, psychology, sociology, Spanish, and theatre.

DEGREE REQUIREMENTS FOR MIDDLE GRADES EDUCATION

Basic Studies

Students should follow basic studies requirements of the University of North Carolina at Wilmington as outlined in a previous section of the catalogue.

Professional Core

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
EDN	301	Instructional Design and Evaluation

EDN 303 Instructional Technology
PSY 223 Lifespan Human Development
or
PSY 221 Adolescent Psychology

Professional Education

EDN 318 The Middle School
EDN 320 Meeting Needs of Special Students in Middle and High Schools
EDN 352 Developing Reading Competence in the Middle Grades

Two content methods courses from:
EDN 323, 335, 338, 355
Methods for mathematics, social studies, science, language arts

Additional Teaching Field: 18 Hours as specified with courses from all disciplines related to the field. Fields are language arts, mathematics, science, or social studies.

Professional Semester

EDN 410 Seminar in Education, (6-9)
EDN 411 Practicum, (6-9)

NOTE: A grade of "C" or better is required in all professional courses in the middle grades education program. Students may repeat courses in which they earned a grade of lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of at least 24 semester hours is required. Specific course requirements may be obtained from the academic advisors in the Watson School of Education. Academic concentrations may be selected from the following disciplines: biology, chemistry, English, environmental studies, geography, geology, history, mathematics, political science, and sociology.

DEGREE REQUIREMENTS FOR SPECIAL EDUCATION

Basic Studies

Students should follow basic studies requirements of the University of North Carolina at Wilmington as outlined in a previous section of the catalogue.

Professional Core

EDN 200 Teacher, School and Society
EDNL 200 Field Studies
EDN 203 Psychological Foundations of Teaching
EDN 301 Instructional Design and Evaluation
EDN 303 Instructional Technology
PSY 223 Lifespan Human Development

Curricular Foundations

EDN 322 Teaching of Mathematics, (K-6)
EDN 340 Reading Foundations, (K-6)

Special Education Foundations

EDN	260	Introduction to Exceptional Children
EDN	367	Behavior Management Techniques
EDN	368	Diagnostic Techniques in Special Education
EDN	369	Prescription Development in Special Education
EDN	374	Special Education Curriculum and Instruction

Area of Emphasis

Students must choose one of the following emphases:

1. **Behaviorally/Emotionally Handicapped**

EDN	370	Behaviorally Disordered Children and Youth
EDN	371	Programming and Interventions for Behaviorally Disordered Students
EDN	410	Seminar in Education
EDN	411	Practicum

2. **Learning Disabilities**

EDN	366	Learning Disabled Children and Adolescents
EDN	372	Programming and Interventions for Learning Disabled Students
EDN	410	Seminar in Education
EDN	411	Practicum

3. **Mental Retardation**

EDN	364	Mental Retardation in School and Society
EDN	373	Programming and Interventions for Mentally Handicapped Students
EDN	410	Seminar in Education
EDN	411	Practicum

NOTE: A grade of "C" or better is required in all professional courses in the Special Education Program. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 24 semester hours is required. A maximum of six semester hours of basic studies may be included in the academic concentration. Specific course requirements for the various concentrations may be obtained from the academic advisors in the Watson School of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, biology, chemistry, English, environmental studies, French, geography, geology, history, marine biology, mathematics, music, philosophy and religion, political science, psychology, sociology, Spanish, and theatre.

TEACHER LICENSURE PROGRAM IN SECONDARY AND SPECIAL SUBJECTS

Programs leading to teacher licensure are offered in the secondary (9-12) fields of biology, chemistry, geology, English, history, mathematics, and physics, and in the special subject (K-12) fields of health, physical education, music, French, and Spanish. Students who concentrate in history, political science or sociology may fulfill subject matter requirements for social studies

licensure by completing a minimum of 21-23 semester hours in three social studies areas other than the discipline of major concentration. History 101, 102, 103, 201, 202, and PLS 101 must be completed, as well as at least one course in each of the following areas: sociology/anthropology, economics, and geography.

Students who concentrate in biology, chemistry, earth science or physics may fulfill requirements for natural science certification by completing 21-23 semester hours in three science areas other than the discipline of major concentration. A minimum of two courses from each discipline is required. Physics 260 also is required. Students wishing to prepare themselves as secondary or special subject teachers must fulfill degree requirements in an appropriate academic discipline, be admitted to the Watson School of Education, and complete the following sequence of professional courses.

Professional Core

The following courses should be completed before admission to the Teacher Education Program, usually in the sophomore year:

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
PSY	223	Lifespan Human Development

Professional Studies

Students seeking secondary and special subject licensure must complete the following courses: (See sections below for description of requirements for health and physical education and music education requirements.)

EDN	301	Instructional Design and Evaluation
EDN	303	Instructional Technology
EDN	320	Meeting Needs of Special Students in Middle and High Schools
EDN	356	Reading in the Secondary School

And one of the following:

EDN	403	Theory and Practice in Teaching Secondary English, (9-12)
EDN	404	Theory and Practice in Teaching Secondary Math, (9-12)
EDN	405	Theory and Practice in Teaching Secondary Social Studies, (9-12)
EDN	406	Theory and Practice in Teaching Secondary Science, (9-12)
EDN	407	Theory and Practice in Teaching Foreign Languages (Spanish and French), (K-12)

The Professional Semester

EDN	408	Instructional Seminar
EDN	409	Practicum

NOTE: A grade of "C" or better is required in all professional education courses. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Professional Studies—Health and Physical Education

Students pursuing teacher licensure in health and physical education will complete the following requirements in addition to those of the specialty area.

Professional Core

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
PSY	223	Lifespan Human Development

Professional Studies

EDN	303	Instructional Technology
EDN	356	Reading in the Secondary School

The Professional Semester

EDN	409	Practicum

NOTE: A grade of "C" or better is required in all professional education courses. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 24 semester hours is required. A maximum of six semester hours of basic studies may be included in the academic concentration. Specific course requirements for the various concentrations may be obtained from the academic advisors within the Watson School of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, biology, chemistry, English, environmental studies, French, geography, geology, history, marine biology, mathematics, music, philosophy and religion, political science, psychology, sociology, Spanish, and theatre.

Professional Studies—Music Education

Students pursuing teacher licensure in music education will complete the following requirements in addition to those of the specialty area.

Professional Core

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
PSY	223	Lifespan Human Development

Professional Studies

EDN	356	Reading in the Secondary School
EDN	409	Practicum

NOTE: A grade of "C" or better is required in all professional education courses. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

DEGREE REQUIREMENTS

SCHOOL OF NURSING

Virginia W. Adams, *dean*
Doretha McKnight Stone, *interim associate dean*

Bachelor of Science Degree
Accredited by the National League for Nursing

Dr. Adams, Ms. Allen, Ms. Barham, Dr. H. Cummings, Dr. S. Cummings, Dr. Dowell, Dr. Faller, Dr. Gray, Ms. Hopkins, Ms. Jackson, Ms. Moore, Dr. Rosenkoetter, Ms. Steele, Ms. Stone, Ms. Zabriskie

The School of Nursing offers a program leading to the Bachelor of Science degree with a concentration in professional nursing. The purpose of this baccalaureate program is to prepare a generalist who possesses the knowledge, skills, and attitudes with which to practice family-centered professional nursing in a variety of current and emerging health care delivery systems. In addition, the program is designed to provide a foundation for graduate nursing education. Through interactions with clients-individual persons, families and communities-and other health care professionals, nursing graduates will contribute toward meeting the wide-ranging needs of the region, state, and the larger community.

Program Objectives

The graduate of the University of North Carolina at Wilmington baccalaureate program in nursing is able to:

(1) Practice family-centered professional nursing based upon a conceptual framework in a variety of settings.
(2) Interact with individuals, families, and communities to promote an environment conducive to health.
(3) Utilize the nursing process in the delivery of health care to individuals, families, and communities.
(4) Base professional practice upon a synthesis of knowledge from social, behavioral, and natural sciences, nursing theory and research.
(5) Demonstrate commitment and accountability to health care consumers and to professional standards.
(6) Function as a self-directed learner who assumes responsibility for continued personal and professional growth.
(7) Assume a leadership role in the provision and coordination of health care through collaborative relationships with other health care professionals.
(8) Influence present and emerging roles of nursing practice to meet the health care needs of a changing society.
(9) Stimulate change within clients and health care delivery systems to more effectively promote the health of the community.

Degree Requirements for Bachelor of Science Degree Concentration in Nursing

SAMPLE SCHEDULE

FIRST YEAR

Fall Semester

			Hours
ENG	101	Freshman Composition I	3
PED	101	Found. of Physical Activity	2
PSY	105	General Psychology	3
MAT	111	College Algebra	3
CHM	101	General Chemistry	4
TOTAL			15

Spring Semester

			Hours
ENG	102	Freshman Composition II	3
SOC	105	Intro. to Sociology	3
CHM	215	Organic/Biologic Chemistry	4
		Humanities Electives	6
TOTAL			16

SECOND YEAR

Fall Semester

			Hours
BIO	240	Human Anatomy & Physiology	4
PSY	223	Life Span Human Development	3
		Fine Arts Elective	3
		Humanities Elective	3
		Free Elective**	3
TOTAL			16

Spring Semester

			Hours
BIO	241	Human Anatomy & Physiology	4
BIO	246	Microbiology of Human Diseases	4
SOC	345	Sociology of the Family	3
NSG	215	Foundations for Contemporary Nursing Practice*	3
		Humanities or Fine Arts Elective**	3
TOTAL			17

Summer Session I

			Hours
NSG	200	Intro. to Professional Nursing	2
NSG	200-51	Intro. to Professional Nursing Laboratory	1
NSG	215	Foundations for Contemporary Nursing Practice*	3
TOTAL			6

*Can be taken concurrently with NSG 200

**12 hours humanities and three hours fine arts and nine hours of free electives

THIRD YEAR

Fall Semester

		Hours
NSG 300	Nursing Process I	5
NSG 300-51	Nursing Process I Laboratory	4
NSG 301	Introduction to Health Assessment	2
NSG 310	Interactions in Nursing Practice I	3
	Free Elective (or senior year)	(3)
TOTAL		14-17

Spring Semester

		Hours
NSG 350	Nursing Process II	5
NSG 350-51	Nursing Process II Laboratory	3
NSG 360	Interactions in Nursing Practice II	2
STT 210	Intro. to Statistics with Applications in Health Sciences	3
TOTAL		13

Summer Session I Elective

		Hours
NSG 495	Nursing in Barbados***	3
NSG 495-51	Nursing in Barbados Lab ***	2
TOTAL		5

***Nursing Elective—optional upon completion of junior level nursing courses

FOURTH YEAR

Fall Semester

		Hours
NSG 400	Nursing Process III	4
NSG 400-51	Nursing Process III Laboratory	3
NSG 410	Interactions in Nursing Practice III	3
NSG 415	Research in Nursing	2
	Free Elective (or junior year)**	(3)
TOTAL		12-15

Spring Semester

		Hours
NSG 416	Research Practicum (optional)	1
NSG 450	Nursing Process IV	5
NSG 450-51	Nursing Process IV Laboratory	3
NSG 460	Interactions in Nursing Practice IV	3
NSG 490	Advance Nursing Practicum	1
	Free Elective (or junior year)**	(3)
TOTAL		12-16

**12 hours humanities and three hours fine arts and nine hours of free electives

TOTAL HOURS: 54 hours—Concentration in Nursing(44%)
70 hours—Basic Studies and Collateral(56%)

NOTE: A minimum grade of "C-" is required in each nursing course.

Requirements for Admission to the School of Nursing—Bachelor of Science Degree:
1. Admission to the University of North Carolina at Wilmington.
2. Meeting admission criteria defined on page 106.
3. Recommendation of the Committee for Student Affairs of the School of Nursing.
4. Approval of the nursing faculty.

Time Limits: Nursing courses must be completed within a consecutive six-calendar-year period of time.

Ten-Year Rule: Science courses which are more than ten years old will be evaluated by the School of Nursing for currency.

The School of Nursing is reviewing its Bachelor of Science degree program, concentration in nursing, and may make changes which could have an impact on the program. Students and other persons interested in applying for admission to the school for the summer 1995 term or later, should keep themselves informed of any change in the program or its requirements by remaining in communication with the Office of the Dean, School of Nursing, University of North Carolina at Wilmington, Wilmington, NC 28403-3297.

ACCESS Program for Registered Nurses

Required Courses			Hours
ENG	101	Freshman Composition I	3
ENG	102	Freshman Composition II	3
MAT	111	College Algebra	3
PED	101	Foundations of Physical Activity	2
CHM	101	General Chemistry	4
CHM	215	Fundamentals of Organic/Biologic Chemistry+	4
BIO	240	Human Anatomy and Physiology	4
BIO	241	Human Anatomy and Physiology	4
BIO	246	Microbiology of Human Diseases	4
PSY	105	General Psychology	3
PSY	223	Lifespan Human Development	3
SOC	105	Introduction to Sociology	3
SOC	345	Sociology of the Family+	3
STT	210	Intro. to Statistics with Application in the Health Sciences*	3
		Humanities Electives	12
		Fine Arts Electives	3
		Free Electives*	9
TOTAL REQUIRED CREDITS			70 (56%)

*STT 210 and two three-credit free electives may be taken concurrently with nursing courses.
+Subject to change

Degree Requirements for Bachelor of Science Degree
Concentration in Nursing
RN ACCESS Program
SAMPLE SCHEDULE

Fall Semester

		Hours
NSG 215	Foundation for Contemporary Nursing Practice	3*
NSG 216	Contemporary Issues in Nursing Practice	2*
TOTAL		5

*successful completion of NSG 216 results in the granting of 24 placement hours

Spring Semester

		Hours
NSG 215	Foundation for Contemporary Nursing Practice	3
NSG 301	Introduction to Health Assessment	2
NSG 301-51	Introduction to Health Assessment Laboratory	1
TOTAL		6

Summer Session I Elective

		Hours
NSG 495	Nursing in Barbados	3
NSG 495-51	Nursing in Barbados Lab	2
TOTAL		5

Fall Semester

		Hours
NSG 389	Family Health Nursing	4
NSG 389-51	Family Health Nursing Practicum	2
NSG 410	Interactions in Nursing Practicum III	3
NSG 415	Research in Nursing	2
NSG 492	Men's Health Maintenance* or Free Elective	3
TOTAL		11-14

*Nursing Elective
**Semester hours granted by placement: 24

Spring Semester

		Hours
NSG 416	Research Practicum*	1
NSG 420	Leadership in the Health Care Delivery System	3
NSG 420-51	Leadership Practicum	2
NSG 489	Adv. Theoretical Basis on Chronic Care	3
NSG 489-51	Chronic Care Practicum	3
	Free Elective (or Fall)	3
TOTAL		11-15

Credit by Placement	24
Nursing Concentration Credits	30
Total Nursing Hours	54
	(44%)

*NOTES

1. Courses numbered above 400 are taken with students in the generic baccalaureate program.
2. A part-time sequence is available for the RN ACCESS Program.
3. The School of Nursing is reviewing its Bachelor of Science degree program, concentration in nursing, and may make changes which could have an impact on the RN ACCESS Program.

DEGREE REQUIREMENTS

CLINICAL LABORATORY SCIENCE

Anne F. Kendrick, *advisor*

The clinical laboratory scientist, also known as a medical technologist, is responsible for performing and evaluating laboratory tests to determine the presence of disease in the human body. This scientist may also become involved in laboratory supervision, computer technology, education, health administration, and medical research.

UNCW students have two programs of study from which to choose:

1. The "3+1" option, which leads to a B.S. with a major in clinical laboratory science. The first 90 semester hours (three years) are completed on campus with the final year (12 months) spent in training at one of the affiliated hospital programs listed below:
   Bowman Gray School of Medicine/North Carolina Baptist Hospital, Winston-Salem, N.C.
   Carolinas Medical Center, Charlotte, N.C.
   Duke University Medical Center, Durham, N.C.
   Moses Cone Memorial Hospital, Greensboro, N.C.
   New Hanover Regional Medical Center, Wilmington, N.C.

*2. The "4+1" option, which includes earning a B.A. or B.S. with a major in either biology or chemistry before beginning the clinical training year.

Completion of the first years of study at UNCW does not assure the student admission to the year of clinical training. There is much competition for the limited space available. The application process for hospital programs should begin one year before the student wishes to enroll. Guidance by the faculty advisor should be sought, since entrance requirements may differ at various hospitals.

***Students majoring in clinical laboratory science must file and pay for graduation during the first semester of the junior year. This application is filed in the Office of the Registrar.**

Requirements for a Major in Clinical Laboratory Science for a B.S. degree

1. Basic studies course requirements: 45 semester hours
2. Course requirements that are prerequisites for the clinical training program:

BIO 108	Introduction to Clinical Laboratory Science (1)
BIO 110*	Principles of Biology (4)

One of the following combinations:

BIO 206* and BIO 345	Animal Biology and Animal Physiology (4,4)
or	
BIO 206* and BIO 347	Animal Biology and Molecular Biology of the Cell (4,4)
or	
BIO 240*-241	Human Anatomy and Physiology (4-4)
BIO 320	Immunology (3)
BIO 425	Microbiology (4)
BIO 371 or BIO 377	Human Fungal Diseases (1) or Mycology (4)
CHM 101-102	General Chemistry (4-4)

CHM 211	Organic Chemistry (4)
CHM 212 or BIO 465	Organic Chemistry or Biochemistry with lab (4)
MAT 111 or 115	College Algebra or Precalculus (3)

Recommended elective courses:

CHM 225	Chemical Applications of Microcomputers (2)
CHM 235	Quantitative Analysis (4)
BIO 335 or BIO 235	Genetics or Genetics in Human Affairs (3)
BIO 465	Biochemistry (4)
STT 215	Introduction to Statistics (3)
CSC 105	Survey of Computer Applications (2)

*Requirement to declare a major in clinical laboratory science: A 2.50 overall grade point average and 2.50 average in BIO 110 & 206 or a 2.50 average in BIO 110 & 240.

"3+1" students enrolled as freshman can complete the prerequisites for the clinical training program in three years. Transfer students, depending on the required courses remaining, may need more than three years.

3. Clinical laboratory science course requirements for the senior clinical training program year (34 hours) are earned from the clinical laboratory science courses. Credit for these courses may not be counted toward any other degree at the University of North Carolina at Wilmington.

PRE-PROFESSIONAL PROGRAMS

PRE-AGRICULTURE AND PRE-FORESTRY

Dr. David Sieren, *advisor*

Pre-professional programs in forestry and agriculture are arranged which enable students to transfer to schools offering professional training in the two fields. The programs are designed to meet the requirements and recommendations of the professional schools and students should plan their programs in consultation with the pre-agriculture or pre-forestry advisor.

PRE-ALLIED HEALTH

Mrs. Rebecca B. Jones, *advisor*

Students interested in careers in the field of allied health should contact the advisor for information, including prerequisites and application procedures leading to degrees available in many fields, including radiation therapy, occupational therapy, nuclear medicine technology, and physician assistant.

PRE-DENTISTRY

Mrs. Rebecca B. Jones, *advisor*

Students wishing to become dentists should consult the pre-dentistry advisor early in their academic career. The requirements for admission to dental school are similar to the requirements for medical school, with the exception that a Dental Admissions Test (DAT) is taken during the spring of the junior year.

HEALTH-RELATED CAREERS (freshman advising)

Dr. Timothy A. Ballard, *advisor*

The Center for Academic Advising assists students in taking the required courses during the freshman year for all health-related careers (e.g., medicine, pharmacy, etc.).

First Semester

ENG 101 Freshman Composition
MAT 111 Pre-Calculus Math (or higher, e.g., MAT 115 or 161)
CHM 101 General Chemistry
BIO 110 Principles of Biology

Second Semester

ENG 102 Freshman Composition
CHM 102 General Chemistry
BIO 206 Animal Biology

PRE-LAW

Dr. Stephen Meinhold, *advisor*

Students who plan to prepare for law school may select a major in any discipline that fulfills the requirements for a baccalaureate degree at UNCW. In developing a pre-law program, the student should be aware of the recommendation of the Association of American Law Schools, which describes the basic skills and insights it believes fundamental to the later attainment of legal competence. These are (a) comprehension and expression in words; (b) critical understanding of human institutions and values with which the law deals; and (c) creative power in thinking. In order to develop these capacities; the association recommends a pre-legal education of "the broadest scope." To accomplish these goals the University of North Carolina at Wilmington offers a wide range of pre-law courses. Although political science and business are frequently selected by pre-law students as their major, economics, English, history, sociology and others are sometimes selected. Regardless of the major, the pre-law student should be zealous in the selection of electives that will facilitate critical understanding of economic, political and social institutions. Since a lawyer must be able to communicate effectively, the pre-law student is well-advised to lay special emphasis on communicative skills. Also a knowledge of elementary accounting is highly recommended.

Finally, the pre-law student should remember that the quality of undergraduate instruction is more important than the subject matter area. The Association of American Law Schools recommends the selection of courses which require the greatest preparation and intellectual discipline. "The best trained applicant for law school," states the association, "is the student who has studied under teachers who have inspired, challenged, and pressed him."

All candidates for law school should apply in time to ensure that their completed file is available by January 1 of the year they plan to enter. This means that they should register for either the June or September administration of the Law School Admissions Test and for the Law School Data Assembly Service. The LSAT and the LSDAS are explained fully in the Law School Admission Bulletin which is available in the Department of Political Science. Additional information and advice may be secured from the pre-law advisor in the Department of Political Science.

PRE-MEDICINE

Dr. Timothy A. Ballard, *advisor*

Students wishing to pursue a career in medicine may elect to major in any discipline as long as certain basic courses in the natural sciences and humanities are incorporated into their curriculum. Most medical schools require students to have a minimum of two semesters of introductory (inorganic) chemistry with labs, two semesters of organic chemistry with labs, two semesters of biology (including zoology) with labs, two semesters of physics with labs, and two semesters of English composition and literature. Pre-med students should plan to take the Medical College Admission Test (MCAT) in the spring of their junior year. High academic achievement, involvement in extra-curricular activities including volunteer work in a health-related field, and dedication to a career in medicine are among the many requisites for successful application to medical school. The Health Science Club exists to help pre-med students, as well as others interested in careers in the health professions, learn more about their options. Pre-med students should have their official academic advisor in the department of their major, but should seek advice on pre-medical issues from the Pre-med Advisor. A copy of the UNCW Premedical

Sciences Student Manual should be obtained from the Pre-med Advisor; this booklet outlines the pre-medical program and includes a timetable and a checklist for the application process. The Pre-med Advisor maintains a file of information on medical schools, materials for helping students prepare for the MCAT, registration materials for the MCAT, and applications to medical school. Pre-med students are encouraged to discuss their career plans with the Pre-med Advisor early in their academic program preferably in the freshman year.

PRE-OPTOMETRY

Mrs. Rebecca B. Jones, *advisor*

Students desiring to become optometrists should contact the pre-optometry advisor to learn requirements for admission to optometry school and application deadlines for the optometry admission test (OAT) which is given twice a year.

PRE-PHARMACY

Dr. Pamela J. Seaton, Dr. Charles L. Cahill, *advisors*

Students interested in careers in pharmacy should consult with the pre-pharmacy advisor before arranging their academic schedules. Basic coursework in biology, chemistry, physics, and mathematics is required, as well as additional studies in the social sciences and humanities in the two-year pre-pharmacy program. Students should arrange through their advisor to take the Pharmacy College Admission Test (PCAT) in November of their second year. Applications to pharmacy schools should be made in the fall or winter of the second year.

PRE-PHYSICAL THERAPY

Dr. Yousry A. Sayed, *advisor*

The University of North Carolina-Chapel Hill offers a master's degree in physical therapy for which the following prerequisites must be completed successfully prior to application: STT 215, BIO 110, 240, 241, CHM 101, 102, PHY 101, 102, PSY 105, 223, CPR Certification. If a master's degree is preferred, a student may earn a bachelor's degree at UNCW and apply for graduate acceptance at UNC-Chapel Hill.

Beginning fall 1995, East Carolina University will offer a master's degree only in physical therapy. Interested students should contact the UNCW Pre-Physical Therapy advisor. Information on the ECU master's program will be available in the Center for Academic Advising.

Winston-Salem State University offers a bachelor's degree in physical therapy. Students should consult the UNCW Pre-Physical Therapy advisor for more information.

Whether the student is interested in a master's degree or a bachelor's degree in physical therapy, the standards for acceptance are competitive and require an excellent academic record for acceptance.

PRE-PODIATRY

Dr. Rebecca B. Jones, *advisor*

Students wishing to attend podiatry school should consult the pre-podiatry advisor early in their academic career.

PRE-VETERINARY MEDICINE

Dr. Gilbert S. Grant, *advisor*

The student interested in applying to a school of veterinary medicine may complete basic requirements for admission at the University of North Carolina at Wilmington. Specialized courses not offered at this institution must be taken elsewhere. The only school of veterinary medicine in North Carolina is located at North Carolina State University in Raleigh. Students planning to pursue a career in veterinary medicine should consult with the advisor to plan the program of study, as well as contact the veterinary school of choice early in their academic program.

EXTENSION COURSES

The Division of Academic Affairs in collaboration with the Division for Public Service and Extended Education administers the university's extension (academic) program. Through the Contract Extension Program, freshman- and sophomore- level courses are offered at two community colleges: Bladen Community College in Dublin, NC; and Brunswick Community College in Supply, NC. The community colleges recruit and enroll students who are high school graduates or the equivalent. Students enrolled in the program who wish to become degree candidates at the university must apply and meet regular admission requirements for freshmen or transfer students.

The university also operates an upper division undergraduate degree completion in elementary education at the Jacksonville/Onslow County program site. Program expansion for fall 1996 includes adding early childhood education, business administration and nursing (RN Access). Courses are scheduled on Camp Lejeune military base as well as Coastal Carolina Community College campus. A Master's in Business Administration graduate program is currently operating under a special contract with Carolina Power and Light Company at the Brunswick Nuclear Plant.

Additional extension offerings also include undergraduate and graduate courses in the field of education at off-campus sites. Utilizing primarily UNCW faculty, these courses may be used to meet the staff development and/or graduate education requirements of local teachers.

Extension registrations are received by the Division of Academic Affairs while requests for transcripts should be sent to the Registrar of the University of North Carolina at Wilmington.

Further information concerning all extension courses may be obtained by contacting the Division of Academic Affairs or the Division for Public Service and Extended Education.

Course Descriptions

COURSE DESCRIPTIONS

All undergraduate courses offered by the university are listed. Not all of the courses listed are offered within a single academic year. A listing of the courses offered during a given semester is printed in a class schedule booklet, which is placed in each student's university mailbox before preregistration each semester.

TRIAL COURSES

Academic departments may offer special trial courses during the fall and spring semesters on a one-time basis without adding them to their regular departmental offerings. A second trial offering, if additional data are essential, must be within two regular semesters of the first. Numbers designating these special courses are 292 and 492. Descriptive information on trial courses does not appear in the catalogue but is on file in the Office of the Registrar.

SEQUENCED COURSES

A hyphen connecting courses (e.g., 201-202) indicates that the first course in the sequence must be satisfactorily completed prior to registration in the second course of the sequence. When course numbers are separated by a comma (e.g., 201, 202), the first course is not necessarily prerequisite to those following.

CREDITS AND CLASS MEETINGS

Unless specifically indicated at the end of the course description, the number of hours a class meets each week is the same as the credit hour value of the course. The semester hours credit for each course is indicated in parentheses immediately following the title of the course. For example, if three hours of credit may be earned, the credit is indicated as follows: (3). In variable credit courses, the minimum and maximum hours are shown as follows: (1-3).

COURSE PREFIXES

The prefixes used to designate courses are abbreviations of the names of departments or fields of study within departments, as shown below:

ACG Accountancy (Department of Accountancy and Business Law)
AMS American Studies (College of Arts and Sciences)
ANT Anthropology (Department of Sociology and Anthropology)
ART Art (Department of Fine Arts)
BIO Biological Sciences (Department of Biological Sciences)
BLA Business Law (Department of Accountancy and Business Law)
BUS Business (Department of Management and Marketing)
CHM Chemistry (Department of Chemistry)
CLA Classics (Department of Foreign Languages and Literatures)
CLS Clinical Laboratory Sciences (Medical Technology)
COM Communication Studies (Department of Communication Studies)
CRJ Criminal Justice (Department of Sociology and Anthropology)
CSC Computer Science (Department of Mathematical Sciences)
ECN Economics (Department of Economics and Finance)
EDN Education (Department of Curricular Studies, Department of Specialty Studies)
ENG English (Department of English)
EVS Environmental Studies (Department of Earth Sciences)
FIN Finance (Department of Economics and Finance)
FNA Fine Arts (Department of Fine Arts)

FRH French (Department of Foreign Languages and Literatures)
GER German (Department of Foreign Languages and Literatures)
GGY Geography (Department of Earth Sciences)
GLY Geology (Department of Earth Sciences)
GRN Gerontology (College of Arts and Sciences)
HEA Health (Department of Health, Physical Education, and Recreation)
HON Honors (Honors Program)
HST History (Department of History)
INT International Studies (International Programs)
ITN Italian (Department of Foreign Languages and Literatures)
JPN Japanese (Department of Foreign Languages and Literatures)
LAT Latin (Department of Foreign Languages and Literatures)
LED Leadership Studies (Department of Communication Studies)
MAT Mathematical Sciences (Department of Mathematical Sciences)
MGT Management (Department of Management and Marketing)
MKT Marketing (Department of Management and Marketing)
MUS Music (Department of Fine Arts)
NSG Nursing (School of Nursing)
P&R Philosophy and Religion (Department of Philosophy and Religion)
PDS Production and Decision Sciences (Department of Production and Decision Sciences)
PED Physical Education (Department of Health, Physical Education, and Recreation)
PHY Physics (Department of Physics)
PLS Political Science (Department of Political Science)
PRT Portuguese (Department of Foreign Languages and Literatures)
PSY Psychology (Department of Psychology)
REC Recreation (Department of Health, Physical Education, & Recreation)
SHS Science, the Humanities, & Society (College of Arts and Sciences)
SOC Sociology (Department of Sociology and Anthropology)
SPN Spanish (Department of Foreign Languages and Literatures)
STT Statistics (Department of Mathematical Sciences)
SWK Social Work (Department of Sociology and Anthropology)
THR Theatre (Department of Fine Arts)
UNI University Studies (Student Academic Support Programs)

Accountancy Course Descriptions

(Department of Accountancy and Business Law)

ACG 201. Financial Accounting (3) Prerequisite or corequisite: MAT 111. An introduction to the basic framework of accounting for both students majoring in accountancy and other disciplines. Includes preparation of financial records, financial statements, and analysis of the major financial statements with emphasis on the underlying accounting concepts and constraints. Normally taken concurrently with ACGL 201.

ACGL 201. Financial Accounting Laboratory (1) Prerequisite or corequisite: ACG 201. Two laboratory hours each week.

ACG 203. Managerial Accounting (3) Prerequisite: ACG 201. An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

ACG 301-302. Intermediate Accounting I and II (3-3) Prerequisite: A grade of "C" or better in ACG 201 and 203; for 302, a grade of "C" or better in ACG 301. Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. ACG 301 emphasizes development of accounting standards and theory, financial statements, current assets and current liabilities. ACG 302 emphasizes plant assets, long-term investments, long-term liabilities, stockholders' equity, revenue recognition and income tax allocation.

ACG 305. Cost Accounting (3) Prerequisite: ACG 203. Costs for planning and control, including the role of the accountant in the organization; cost behavior and volume-profit relationships; responsibility accounting; standard costs; flexible budgets; cost structures for control and motivation; and relevant costs for nonroutine decisions.

ACG 306. Accounting Information Systems (3) Prerequisite: ACG 203. Basic concepts of accounting information systems including both manual and computer based systems. Examines transaction processing systems with emphasis on internal controls and documentation, user support systems, and systems development. Laboratory projects include advanced spreadsheet functions, a database package, and an accounting software package. Two lecture hours and two laboratory hours each week.

ACG 307. Administrative Accounting and Control (3) Prerequisite: ACG 305 and PDS 314. The controllership function and analytical methods to serve the information needs of decision making and control; advanced topics in cost accounting, forecasting, budget design and preparation, and responsibility accounting.

ACG 403 (503). Non-Profit Organization Accounting (3) Prerequisite: ACG 302. Accounting for not-for-profit organizations including governments, colleges and universities, hospitals, charities, and other not-for-profit organizations. Emphasis is on objectives and preparation of financial statements, the use of managerial reports, and budgetary data.

ACG 404. Federal Income Taxes I (3) Prerequisite: ACG 203. Study of federal income taxation of individuals. Includes business expenses and revenues, depreciation, and property transactions and the history and development of taxation.

ACG 405 (505). Corporate and Partnership Taxation (3) Prerequisite: A grade of "C" or better in ACG 404. The study of corporate and partnership taxation. Emphasis is on corporation and partnership organization, operations, distributions, liquidation and reorganization.

ACG 407. Auditing (3) Prerequisite: A grade of "C" or better in ACG 302. Objectives, standards and procedures involved in examining and reporting on financial statements of business organizations by independent auditors in light of ethical and legal obligations.

ACG 410. Financial Statement Analysis (3) Prerequisite: FIN 335. An examination of the conceptual background and analytical tools necessary to understand and interpret financial statements. Students will learn how to access, manipulate, and analyze financial statement data from various databases.

ACG 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

ACG 495. Senior Seminar in Accountancy (3) Prerequisite: ACG 401 and senior standing. Special topics in accountancy not regularly addressed in other courses in accountancy.

ACG 498. Accounting Internship (3-6) Prerequisite: Senior status, grade-point average of at least 3.00 (cumulative, and in accounting courses), and consent of faculty supervisor. Involves the application of accounting knowledge in a "real world" setting. The participant receives hands-on experience under the guidance of a manager from a business or no-for-profit organization, or CPA firm. Six (6) semester hour internships are available to students who plan to enter the Master of Science in Accountancy program at UNCW, achieve satisfactory performance on the Graduate Management Admission Test, and complete specific course work prior to commencement of the internship.

ACG 499. Honors Work in Accounting (2-3) Prerequisite: Senior standing. Independent work for honors students.

American Studies Course Description

(College of Arts and Sciences)

AMS 200. Introduction to American Studies (3) Survey of major themes in American culture and the methods used to study them. Required for the American Studies minor.

Anthropology Course Descriptions

(Department of Sociology and Anthropology)

ANT 105. Introduction to Anthropology (3) Introduction to the physical, archaeological, linguistic, and ethnological fields of anthropology; biological and cultural evolution of man.

ANT 205. (SOC 205) Human Societies (3) The comparative study of human society and culture, with selected ethnographic examples to illustrate human adaptation to specific environments and reveal patterns of major social institutions—economy, marriage and kinship, politics and religion—which underlie and support a particular way of life. Comparisons are drawn among hunter-gatherer, tribal horticultural, peasant and modern industrial societies. Perspectives on the dynamics of social process and cultural change are also introduced.

ANT 206. Cultural Anthropology (3) A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

ANT 207. Archaeology (3) The concepts and aims of archaeology, its history as a scientific discipline and its present role in the social sciences. Attention to basic principles in field work and to recent advances.

ANTL 207. Archaeological Laboratory (1) Corequisite or prerequisite: ANT 207. Course is designed to familiarize students with techniques of archaeological recovery, preparation, preservation, and analysis of recovered archaeological materials. Laboratory work will parallel lecture, providing practical experience in techniques covered as part of lecture course. It is not necessary to take the lab in order to take lecture. Three hours each week.

ANT 208. Language and Culture (3) Human language, its characteristics and its relationship to other communication systems will be examined. The use of language to illuminate historical relationships and current sociocultural processes will be discussed, as well as ways in which one can investigate culture through cognitive structures elicited from speech.

ANT 210. Physical Anthropology (3) Introduction to the study of human evolution. Consideration given to the fossil evidence for humans and putative human ancestors, early development of culture, and dynamics of cultural and biological changes in recent and living human populations.

ANT 215. Anthropology of Native Americans (3) Survey of native peoples and their cultures. Major cultural adaptations reflected in subsistence practice, crafts and arts; social, political, and ceremonial patterns of the native peoples of North America.

ANT 230. (SOC 230) Utopian and Communal Societies (3) A theoretical and descriptive analysis of "intentional" communities and social systems. Coverage of earliest utopian experiments and modern rural and urban communes. Communities are reviewed in terms of their origin and purpose, ideology, subsistence, social patterns, relations with the outside world, and survival.

ANT 250. World Cultures Through Film (3) Ethnographic films and readings are used to explore variability in human culture and society. Films present people living in diverse ecologies and at different levels of social complexity. Interpretation is based upon the concepts and theories of cultural anthropology.

ANT 301. Shamanism, Witchcraft, and Cults (3) Prerequisite: ANT 105 or 206 or sophomore standing. A study of the religious institutions of traditional band, tribal and peasant societies. Topics cover psychological stress, social control, and ritual healing. The cult within modern Western society will be compared with cults in traditional preindustrial society.

ANT 302. Critical Issues in Developing Countries (3) Prerequisite: Junior standing or consent of instructor. An assessment of the impact of Western industrial societies on developing countries. Cross-cultural perspective on acculturation, underdevelopment, modernization, economic dependency and rural to urban migration.

ANT 303. Anthropology of Gender (3) Prerequisite: ANT 105 or 206 or SOC 105 or consent of instructor. A study of gender roles in traditional cultures; an analysis of historical, ideological, economic, and social systems of traditional cultures as influenced by gender.

ANT 304. Native South Americans: Past and Present Perspectives (3) Prerequisite: Consent of instructor. This course will acquaint the student with human populations and their adaptations to the South American continent. Approximately equal emphasis is given Native Americans in past and contemporary societies.

ANT 305. Native North Americans: Contemporary Issues (3) Prerequisite: Sophomore standing. A study of the major issues facing Native Americans today in North America. Traditional North American cultures and their history of contact with Euro-American culture provides the background to analyze contemporary issues of identity, land claims, religious freedom, energy resources, health and education.

ANT 306. Principles of Kinship and Social Organization (3) Prerequisite: ANT 105. This course deals with the structures and functions of kinship in a variety of cultures as a background for the study of complex cultural patterns.

ANT 307. New World Archaeology (3) Prerequisite: ANT 105 or 207 or consent of instructor. The entry of man into North America and South America will be examined using archaeological data. Other topics will include the post-Pleistocene expansion of big game hunters, woodland hunter-gatherers, and the development of agricultural societies. Diffusion versus independent invention will be considered.

ANT 309. Environmental Anthropology (3) Prerequisite: ANT 105 or 206 or 207 or consent of instructor. A study of cultural adaptations as responses of human populations to varied environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.

ANT 311. Field Methods in Archaeology (3-6) Prerequisite: ANT 207. Practical field methods of land-site archaeology will be taught through the excavation of local archaeological sites. Scientific excavation, sampling, and preservation techniques will be presented as the basic tools of the archaeologist.

ANT 317. Latin American Anthropology (3) Prerequisite: ANT 105 or consent of instructor. Complex national cultures of Latin America. Contemporary issues such as the rights of native peoples, peasant land reform, urban slum settlements, development of resources, and political and economic reform movements. Case studies of individual countries.

ANT 320. Human Origins (3) Prerequisite: ANT 210 or consent of instructor. Classification and history of human evolution deduced from the fossil record and molecular data. Discussion of Tertiary hominoids and emergence of humans with emphasis on Australopithecines and later Pleistocene hominoids.

ANT 322. Primate Biology and Behavior (3) Prerequisite: ANT 210 or consent of instructor. Ecology, social behavior, and functional morphology and classification of living primates (prosimians, monkeys, and apes); their evolutionary history and development.

ANT 324. Human Biological Variation (3) Prerequisite: ANT 210 or consent of instructor. Nature and extent of heritable differences among human populationsin evolutionary perspective. Consideration of effects of environmental factors on genic expression.

ANT 326. Human Osteology (4) Prerequisite: ANT 210. An introduction to the study of the human skeleton focusing on skeletal anatomy and estimation of gender, age, stature, pathology, and ancestry. Includes methods of recovery of archaeological samples, and techniques to clean, preserve, catalog, reconstruct, and measure them. Three lecture and three laboratory hours each week.

ANT 345. Method and Practice in Cultural Anthropology (3) Prerequisite: ANT 105 or 206 or consent of instructor. A study of ethnographic field methods through selected readings demonstrating field techniques of major figures in cultural anthropology, both past and present. Practice involves exercises in participant observation, in-depth interviewing, survey research, photographic analysis, and tape recordings of cultural events.

ANT 350. Maritime Anthropology (3) Prerequisite: ANT 105 or consent of instructor. A study of fishermen, navigators, boatbuilders, and seamen. This course traces the origins and development of human maritime adaptations in selected regions of the world. Themes include primitive and traditional fisheries, technological innovation, fisheries management and law of the sea.

ANT 387. (ART 387) Museum Studies (3) Prerequisite: Consent of instructor. A lecture course focusing on the philosophies and practical exigencies of management of a museum. The course involves actual experience at local museums under the supervision of the director, familiarity with museum policies, roles of the staff, and work within the major areas of museum operations of administration, exhibition, and education.

ANTL 387. (ARTL 387) Museum Studies Practicum (1) Prerequisite: Consent of instructor. Practicum includes exhibit installations, sales gallery operations, working with the permanent collection, and assessing and developing educational programs. Three hours each week.

ANT 411. (HST 507) Advanced Field Training in Archaeology (3) Prerequisite: HST 201 or 441; ANT 311, and consent of instructor. Supervisory training for field archaeologists. Students direct specific aspects of archaeological excavation, including research design, data recovery, daily site management, and field analysis. Summers.

ANT 412. (HST 508) Historical Archaeology (3) Prerequisite: HST 201 or 441, or ANT 105 or 207, or consent of instructor and graduate status. Substantive investigation of the special excavation and analysis procedures, subject matter, and goals of archaeology as applied to the historic past of North America. Special emphasis placed upon historic archaeological sites in the local region. Lecture, laboratory, and field work.

ANT 430. (BIO 430) Evolutionary Biology (3) Prerequisite: BIO 335 (Genetics). Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics using relevant illustrative examples from the literature.

ANT 450. History of Anthropological Theory (3) Prerequisite: Six hours of anthropology above the introductory level or consent of instructor. This course traces the development of anthropological theory through the research and writings of key figures in the field. Attention is directed toward social and intellectual contexts out of which anthropological theories emerge.

ANT 455. Reading Material Culture (3) Prerequisite: ANT 207 or 412. Examination of the theoretical continuities among cultural anthropology, linguistics, and history as evidenced in the record of material culture revealed through archaeology. Emphasis on the historical archaeology of the post-medieval European expansion. Two lecture and two laboratory hours each week.

ANT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

ANT 495. Topical Seminar (1-3) Prerequisite: Consent of instructor. Discussion of selected topics in anthropology. May be repeated under a different subtitle.

ANT 499. Honors Work in Anthropology (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Art Course Descriptions

(Department of Fine Arts)

ART 101, 102. Design (3,3) 101: Study of the principles of two-dimensional design and introduction to color theory. 102: Study of the concepts of three-dimensional design and of the nature of problem solving. One lecture and six studio hours each week.

ART 111. Drawing Fundamentals (3) Fundamentals of drawing; investigation of processes and visual concepts with emphasis on charcoal. Four studio hours each week.

ART 112. Drawing Fundamentals (3) Fundamentals of drawing; investigation of processes and visual concepts with emphasis on linear media pencil, stick graphite, charcoal pencil, and ink. Four studio hours each week.

ART 201. Ancient World Through Medieval Period (3) A survey of art from ancient through medieval with an emphasis on major artistic developments in their historical and cultural context from 20,000 B.C. to 1400 A.D.

ART 202. Renaissance Through Impressionism (3) A survey of Western art from the Renaissance through Impressionism (c.1880), with emphasis on major artistic movements examined within their cultural and historical context.

ART 203. Post-Impressionism to Contemporary Art (3) A survey of Western art from 1880 to the present, with emphasis on major artistic movements examined within their cultural and historical context.

ART 211. Beginning Life Drawing (3) Prerequisite: ART 111 or 112 with permission of instructor. Drawing from the model: structure, geometric form, and composition using various media: pencil, charcoal, india ink, etc. Six hours per week.

ART 212. Beginning Life Drawing (3) Prerequisite: ART 111 or 112 with permission of instructor. Drawing from the model: structure, anatomy and composition using various media: pencil, charcoal, india ink, etc. Six studio hours per week.

ART 220. (CSC 220) Computer Animation for the Visual Arts (3) Prerequisite: ART 101 or consent of instructor. Exploration of design elements of shape, line, texture, value, color, space, and time using computer graphics software with microcomputers. Projects in 2-D and animation.

ART 221. Beginning Ceramics (3) Introduction to pottery: handbuilding and throwing on the potter's wheel; design and form; basic glazing practices; ceramic terminology; history. One lecture and five studio hours each week.

ART 233. Beginning Intaglio and Relief (3) Prerequisite: ART 101. Survey of intaglio and relief printmaking history and techniques. Introduction to relief processes on blocks and intaglio processes on plates. Woodcut, linocut, monotype, drypoint, line etching, and soft ground etching. Six studio hours per week.

ART 235. Beginning Serigraphy (3) Prerequisite: ART 101 or ART 241 or ART 242. Introduction to screen printing techniques and history. Blockout, resist, reduction and lacquer film. Six studio hours per week.

ART 237. Beginning Lithography (3) Prerequisites: ART 233 or 235. Introduction to the history, chemistry, and technique of stone lithography. Crayon drawing, tusche wash, rubbing crayon, and *maniere noire*. Six studio hours per week.

ART 242. Beginning Painting (3) Fundamentals of painting, investigating the medium of acrylics with emphasis on perceptual and conceptual processes. Six studio hours each week.

ART 251, 252. Beginning Sculpture (3,3) Prerequisite: ART 102 or consent of instructor. Three-dimensional form in clay and plaster; basics of modeling and casting abstract and life forms. One lecture and six studio hours each week.

ART 301. Ancient Art (3) Prerequisite: ART 201. A study of the art of Greece, Etruria, Rome and the Aegean from 1500 BC to AD 350. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.

ART 302. Early Medieval Art (3) Prerequisite: ART 201. A study of European art from 350 to 1000 AD. Emphasis on architecture, painting, and sculpture as related to early medieval history and culture.

ART 303. Medieval Art (3) Prerequisite: ART 201. A study of the art of the Romanesque and Gothic periods in Europe from 1000 to 1400 AD. Emphasis on architecture, painting, sculpture, and graphics as related to medieval history and culture.

ART 304. Northern Renaissance Art (3) Prerequisite: ART 202. A study of the art in Northern Europe, exclusive of Italy, from 1200 to 1600 AD. Emphasis on architecture, painting, sculpture, and graphics as related to the history and culture of the period.

ART 305. Italian Renaissance Art (3) Prerequisite: ART 202. A study of art in Italy from 1200 to 1600 AD. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture of the period.

ART 306. Baroque and Roccoco Art (3) Prerequisite: ART 202. A study of European art from 1600 to 1750 AD. Emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

ART 307. Nineteenth Century European Art (3) Prerequisite: ART 202. A study of nineteenth century European art with an emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

ART 308. Twentieth Century Art (3) Prerequisite: ART 202 or 203. A study of art in Europe and the United States from 1900 to the present. Emphasis on architecture, painting, sculpture, graphics and other vehicles of artistic expression as related to history and culture of the period.

ART 309, 310. American Art (3,3) Prerequisite: ART 201, 202 or 203. ART 309: United States from first explorations to the Civil War. ART 310: United States from 1865 to World War II. A study of art in America exclusive of that produced by indigenous peoples. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture.

ART 311. Intermediate Life Drawing (3) Prerequisite: ART 211, 212 or permission of instructor. Drawing from the model: structure, composition, development of personal expression. Six studio hours per week.

ART 312. Intermediate Life Drawing (3) Prerequisite: ART 211, 212, or permission of instructor. Drawing from the model: structure, anatomy, development of personal expression. Six studio hours per week.

ART 321, 322. Intermediate Ceramics (3,3) Prerequisite: ART 221 or consent of instructor. Further exploration of three-dimensional forms and design in manipulation of clay and glazes; basics of kiln construction and chemistry of glazes. One lecture and six studio hours each week.

ART 333. Intermediate Intaglio and Relief (3) Prerequisite: ART 233. Further exploration of relief and intaglio processes. Color reduction woodcut, wood engraving, large-scale monotype, copper engraving, mezzotint, multi-plate color intaglio. Six studio hours per week.

ART 335. Intermediate Serigraphy (3) Prerequisite: ART 235. Further exploration of screen printing processes. Photo-serigraphy, photo-montage, and large-scale prints. Six studio hours per week.

ART 337. Intermediate Lithography (3) Prerequisite: ART 237. Further exploration of hand lithographic processes. Multi-stone color, aluminum plate, acid tint, and copier toner. Six studio hours per week.

ART 341, 342. Intermediate Painting (3,3) Prerequisite: ART 242 or consent of instructor. Further investigation of materials and visual concepts, with attention to expanding the fundamentals of painting. Six studio hours each week.

ART 351, 352. Intermediate Sculpture (3,3) Prerequisite: ART 251, 252, or consent of instructor. Three-dimensional form in plaster, ceramics and metals. One lecture and six studio hours each week.

ART 385. History of Printmaking (3) Prerequisite: ART 202 or 203. A survey of printed pictures from the 15th century to the present. Emphasis on the evolution of printmaking with specific attention to its practical applications, as well as its function as fine art.

ART 387. (ANT 387) Museum Studies (3) Prerequisite: Permission of instructor. A lecture course focusing on the philosophies and practical exigencies of management of a museum. The course involves actual experience at local museums under the supervision of the director, familiarity with museum policies, roles of the staff, and work within the major areas of museum operations of administration, exhibition and education.

ARTL 387. (ANTL 387) Museum Studies Practicum (1) Corequisite: ART 387 (ANT 387). Practicum includes exhibit installations, sales gallery operations, working with the permanent collection, and assessing and developing educational programs. Three hours each week.

ART 411. Advanced Life Drawing (3) Prerequisite: ART 311, 312 or permission of instructor. Drawing from the model: drawing as a finished product, exploration of drawing techniques. Six studio hours per week.

ART 412. Advanced Drawing (3) Prerequisite: ART 411 or permission of instructor. Drawing as finished product, exploration of drawing techniques. Six studio hours per week.

ART 421, 422. Advanced Ceramics (3,3) Prerequisite: ART 321, 322, or consent of instructor. Advanced study of pottery form and design with emphasis on kiln construction and theory; physical and chemical properties of clays and glazes including the empirical method of glaze calculation. One lecture and six studio hours each week.

ART 433. Advanced Intaglio and Relief (3) Prerequisite: ART 333. Advanced exploration of relief and intaglio processes and issues. Vitreography, photo-etching, large-scale prints, image cycles. Six studio hours per week.

ART 435. Advanced Serigraphy (3) Prerequisite: ART 335. Advanced exploration of screen printing processes and issues. Monoprints, mixed media, three-dimensional prints, large-scale prints, and image cycles. Six studio hours per week.

ART 437. Advanced Lithography (3) Prerequisite: ART 337. Advanced exploration of lithographic processes and issues. Waterless lithography, xerox transfer, mixed-media prints, monoprints, large-scale aluminum plate prints, and image cycles. Six studio hours per week.

ART 441, 442. Advanced Painting (3,3) Prerequisite: ART 342 or consent of instructor. Elaboration of conceptual, perceptual, and expressive painting modes with emphasis on individual development. Six studio hours each week.

ART 451, 452. Advanced Sculpture (3,3) Prerequisite: ART 351, 352, or consent of instructor. Continuation of study of form with emphasis on casting and welding of metals. One lecture and six studio hours each week.

ART 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

ART 495. Seminar In Art (1-3) Prerequisite: Junior standing. Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.

ART 498. Internship in Art (3 or 6) Prerequisite: Junior or senior standing, and permission of chair. Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

ART 499. Honors Work in Art (2-3) Prerequisite: Eligibility for Honors Program, and junior or senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Biological Sciences Course Descriptions

(Department of Biological Sciences)

BIO 105. Concepts of Modern Biology (4) An introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. This course employs multi-media instructional materials and is designed for the non-biology major. Three lecture hours and three laboratory/discussion hours each week.

BIO 108. Introduction to Clinical Laboratory Science (1) A survey of Clinical Laboratory Science (Medical Technology) as a career option. Explores the many disciplines encompassed by the profession including microbiology, chemistry, blood banking, and hematology as they apply to the medical diagnostic laboratory, as well as brief considerations of cytotechnology and histotechnology. The course includes a discussion of the nature and scope of necessary skills, opportunities for advancement, certification requirements, and visits to a hospital laboratory. One hour and 15 minutes each week.

BIO 110, 205, 206. Core courses for biology majors.

BIO 110. Principles of Biology (4) Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. Laboratory exercises reinforce concepts presented in lecture and introduce basic investigative skills and methods of biological inquiry. Designed primarily for biology majors. Three lecture and three laboratory hours each week.

BIO 205. Plant Biology (4) Prerequisite: BIO 110, EVS 195, or consent of instructor. Ecological and evolutionary principles emphasized in a phylogenetic survey of both vascular and non-vascular plant groups. Morphology and physiology of seed plants, stressing principles of adaptation and relationship with biotic and abiotic components of ecosystems. Three lecture and three laboratory hours each week.

BIO 206. Animal Biology (4) Prerequisite: BIO 110, EVS 195, or consent of instructor. Evolution, classification and diversity of animals, and structure and functions of major body systems, especially of humans. Three lecture and three laboratory hours each week.

BIO 216. (PED 216) Human Anatomy and Physiology I (4) The study of the human integumentary, skeletal, muscular, circulatory and respiratory systems as related to health and movement. Three lecture hours and three laboratory hours each week.

BIO 217. (PED 217) Human Anatomy and Physiology II (3) The study of human nervous, urinary, endocrine, digestive, and reproductive systems as related to health and movement.

BIO 235, 236, 237, 238. Elective courses primarily for non-major students, emphasizing "man in the natural world;" two or more to be offered each semester.

BIO 235. Genetics in Human Affairs (3) A discussion of basic principles of genetics for non-majors or majors with the ultimate goal of developing an understanding of the relationship of genetics to the society of today and its possible influence on the future of man. A survey of current knowledge of the inheritance of human traits is included.

BIO 236. Biology of the Sea (3) An introduction to marine environments, the diversity of marine life and the role of man in the utilization of marine resources. Students will become acquainted with local marine habitats, including: salt marshes, sandy beaches, tidal flats and rocky shores.

BIO 237. Plants and the Environment (3) An introduction to the plant kingdom through study of plant diversity, structure, and function as they relate to environmental issues such as global carbon balance, deforestation, agricultural runoff, and the effects of the introduction of genetically engineered plants. The impact of plants on human culture, history, civilization, and economics.

BIO 238. Microbes and Human Society (3) An introduction to the world of the microorganism, focusing on the diversity, structure and function of microbial life, the spread and control of disease-producing organisms, and the impact of these life forms on human culture, history, and civilization.

BIO 240-241. Human Anatomy and Physiology (4-4) A comprehensive introduction to the anatomy and physiology of the human organism. Organ systems of the body are discussed individually and as parts of interacting groups, with emphasis on the processes which maintain an internal steady-state. Three lecture and three laboratory hours each week.

BIO 246. Microbiology of Human Diseases (4) Prerequisite: BIO 240. An introduction to the biology of microorganisms which affect humans. Emphasizes pathogenic and related microorganisms. The basic microbiological techniques needed to isolate, identify and control microorganisms will be covered. Three lecture and four laboratory hours each week.

BIO 315. Comparative Vertebrate Anatomy (4) Prerequisite: BIO 206. Comparative morphology and phylogenetic interrelationships of vertebrate animals; representative organisms dissected in laboratory. Three lecture and three laboratory hours each week.

BIO 316. Vertebrate Embryology (4) Prerequisite: BIO 206. Fundamental principles of embryonic development of vertebrate animals; frog, chick, and pig emphasized. Three lecture and three laboratory hours each week.

BIO 320. Immunology (3) Prerequisite: BIO 110. An introduction to the basic principles of immunology, including the normal immune response and consequences of immune dysfunction. Autoimmunity, immunodeficiencies including AIDS, and hypersensitivities are included.

BIO 335. Genetics (3) Prerequisite: BIO 110. Principles of Mendelian heredity, linkage, mutation, population genetics, and gene action.

BIOL 335. Genetics Laboratory (1) Corequisite: BIO 335. Demonstration of basic heredity principles through study of Drosophila and other genetic systems. Three laboratory hours each week.

BIO 345. Animal Physiology (4) Prerequisite: BIO 110 and CHM 102. Comparative study of physiological processes in different organisms approached through study of tissues, organs, and systems. Three lecture and three laboratory hours each week.

BIO 347. Molecular Biology of the Cell (3) Prerequisite: BIO 110 and CHM 211. Chemical and physical properties of cells. Emphasis on molecular biology and experimental biological systems used to elucidate cellular function.

BIOL 347. Molecular Biology of Cell Laboratory (1) Prerequisite or corequisite: BIO 347. Experiments demonstrating basic phenomena underlying cellular function. Three laboratory hours each week.

BIO 349. (PED 349) Physiology of Exercise and Sport (4) Prerequisite: BIO 215 or 345. A study of fundamental responses of the human body to the stress of exercise, including compensatory adjustments to long-term physical training. Three lecture and two laboratory hours each week.

BIO 355. Plant Physiology (4) Prerequisite: BIO 110 and CHM 102. A study of plant function at the molecular, cellular, and organismic levels. Emphasis placed on unique aspects of vascular plants. Topics include water relations, solute transport, photosynthesis, nitrogen metabolism, plant hormones, photocontrol of development, and stress physiology. Three lecture and three laboratory hours each week.

BIO 356. Vertebrate Natural History (4) Prerequisite: BIO 206. Identification, classification, and life histories of common vertebrate animals of eastern North Carolina with emphasis on field work. Two lecture and four laboratory hours each week.

BIO 358. Marine Mammals (3) Prerequisite: BIO 206. Study of pinnipeds, cetaceans, and sirenians, emphasizing their evolution and taxonomic relationships, anatomical and physiological adaptations, ecologic and economic importance, and natural history.

BIO 362. Marine Biology (4) Prerequisite: BIO 205 and 206. The coastal and oceanic biota and their relationship to the marine environment. Three lecture and four laboratory hours each week.

BIO 364. Ecology of North America (3) Prerequisite: Junior status. Overview of the biomes and principal biotic communities of North America, including the conservation issues peculiar to each.

BIO 365. Invertebrate Zoology (4) Prerequisite: BIO 206. Invertebrate organisms with emphasis on structure, function, taxonomy, phylogeny, and life histories. Three lecture and three laboratory hours each week.

BIO 366. Ecology (4) Prerequisite: BIO 205 and 206. Ecological principles pertaining to both plants and animals. Three lecture and three laboratory hours each week.

BIO 371. Human Fungal Diseases (1) Prerequisite: BIO 110. An in-depth consideration of human mycotic diseases for medical technology, nursing and premedical students. Emphasis will be placed on etiology, predisposing conditions, clinical diagnosis, immunology, serology and therapy of most presently recognized human mycoses.

BIO 375. Plant Morphology (4) Prerequisite: BIO 205. Morphological survey of algae, fungi, bryophytes, lower vascular plants, and seed plants, with emphasis on life histories, structure, and development. Three lecture and three laboratory hours each week.

BIO 377. Mycology (4) Prerequisite: BIO 110. Taxonomy, morphology, and ecology of fungi with emphasis on fungal evolution and the importance of fungi to humans. Fungi as agents causing both plant and animal diseases. Three lecture and three laboratory hours each week.

BIO 410. (512) Electron Microscopy and Cell Ultrastructure (3) Prerequisite: BIO 347. A discussion of the general and specialized techniques of transmission and scanning electron microscopy and their application to the elucidation of the structure and function of cell organelles in plants and animals.

BIOL 410. (512) Electron Microscopy Laboratory (1) Corequisite: BIO 410 and permission of instructor. Techniques for fixing, embedding, and thin sectioning of tissues will be demonstrated. Students will prepare a material of choice for observation and analysis and examine the prepared material with the electron microscope. Three laboratory hours each week.

BIO 415. (520) Vertebrate Histology (4) Prerequisite: BIO 206. An introduction to the cytology and morphology of vertebrate cells and tissues, including examination of the four major histological tissues: epithelium, connective tissue, muscle, and nerve. Other topics include the techniques and instrumentation of light microscopy and selected methods of sectioning, fixation, and staining of tissues. Student project required. Three lecture and three laboratory hours each week.

BIO 420. (541) Pathophysiology (3) Prerequisite: Permission of the instructor. Survey of the physiologic and biologic manifestations of disease, emphasizing how alterations in structure and/or function disrupt the human body as a whole. Overall mechanisms of disease are introduced and described to allow coverage of specific diseases within each system.

BIO 425. (524) Microbiology (4) Prerequisite: BIO 110 and junior status. Study of nonpathogenic and pathogenic microorganisms with emphasis on the biology of viruses and bacteria. Laboratory sessions include techniques required to identify, culture and stain selected microorganisms. Three lecture and four laboratory hours each week.

BIO 430. (529) (ANT 430) Evolutionary Biology (3) Prerequisite: BIO 335. Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics using relevant illustrative examples from the literature.

BIO 435. (535) Molecular Genetics (3) Prerequisite: CHM 102, BIO 335 and 347 or 465. An overview of current understanding of the nature, function, and control of genes. Topics include the nature of genetic information; the sequence organization and packaging of the eucaryotic genome; DNA, RNA, and protein synthesis; recombinant DNA technology; RNA processing; transposable genetic elements; and antibody diversity, synthesis, and function.

BIO 436. (536) Recombinant DNA Techniques (4) Prerequisite: One of the following: BIO 335, 347, or 465. Basic principles and techniques of gene cloning using three major types of cloning vectors; lambda phage, plasmids, and the single stranded DNA phage M13. Provides hands-on experience in recombinant DNA methology. Three lecture and three laboratory hours each week.

BIO 440. (544) Developmental Biology (4) Prerequisite: BIO 335. Concepts of mechanism and control during embryo development and morphogenesis. Topics include differential gene activity, hormones and other growth substances, and cell surface phenomena. Current primary research literature is stressed. Three lecture and three laboratory hours each week.

BIO 445. (545) Marine Physiology (4) Prerequisite: BIO 365. Introduction to physiological system characteristic of marine vertebrates and invertebrates. Emphasis on the mechanisms underlying osmoregulation, respiration, temperature regulation, digestion, and movement. Three lecture and three laboratory hours each week.

BIO 446. (571) Phycology (4) Prerequisite: BIO 205. An introduction survey of algal groups including benthic planktonic freshwater and marine representatives in local environments. Morphology, life histories, and ecology are emphasized. Collection and preservation techniques are demonstrated. Three lecture and three laboratory hours each week.

BIO 452. (554) Mammalogy (4) Prerequisite: BIO 206. Study of mammals, emphasizing their evolution, taxonomic relationships, structural and physiological adaption, and life histories. Laboratory sessions will include collection, identification, and preparation of specimens and observations of mammals in the field. Three lecture and three laboratory hours each week.

BIO 454. (557) Herpetology (4) Prerequisite: BIO 206. Study of the biology of amphibians and reptiles of the world. Natural history, ecology, morphology, and taxonomic relationships are stressed. Three lecture and three laboratory hours each week.

BIO 456. (556) Ornithology (4) Prerequisite: BIO 206. An introduction to the life of birds. Emphasis will be on the identification, classification, evolution, ecology, and life histories of the birds of North Carolina. Three lecture and three laboratory hours each week.

BIO 457. (537) Ichthyology (4) Prerequisite: BIO 206. The systematics, evolution, and natural history of fishes, with field work emphasizing the ecology and behavior of fishes. Field trips and individual research projects required. Three lecture and three laboratory hours each week.

BIO 458. (565) Fisheries Biology (4) Prerequisite: BIO 457, one course in statistics, and consent of instructor. Advanced studies in the biology of fishes. Such topics as age, growth, foods, parasites, population dynamics, reproduction, migration and economic pressures are covered. A technical report on the biology of a fish species is required. Three lecture and three laboratory hours each week.

BIO 460. (567) Limnology (4) Prerequisite: BIO 110 and CHM 102 and junior status. An examination of the physical, chemical, and biological characteristics of freshwater systems, particularly lakes, with an emphasis on the interrelationships of these characteristics. Three lecture and three laboratory hours each week.

BIO 462. (552) Deep Sea Biology (3) Prerequisite: BIO 362. The deep sea biosphere, with emphasis on the biology of abyssal zones off the North Carolina coast and hydrothermal vent ecosystems. Topics include unique benthic and pelagic animals in deep sea environments and their physiological adaptations to hydrostatic pressure and low temperature, nutritional dynamics, reproductive strategies, energy flow, and speciation in abyssal and ultraabyssal zones.

BIO 465. (540) Biochemistry (3) Prerequisite: BIO 110 and CHM 211 and junior status. Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms.

BIOL 465. (540) Biochemistry Laboratory (1) Corequisite: BIO 465. Experiments demonstrating basic phenomena and techniques of biochemistry. Three laboratory hours each week.

BIO 468. (570) Planktonology (4) Prerequisite: BIO 365 or consent of instructor. Classification, physiology, and ecology of phytoplankton and zooplankton. Discussion of current topics in plankton biology. Two lecture and four laboratory hours each week.

BIO 470. Ecology of Human Populations (3) Prerequisite: BIO 345, 366. A study of man's adaptation to diverse world environments utilizing geological, physiological, and ecological principles.

BIO 472. (572) Marine Phycology (4) Prerequisite: BIO 205. An introduction to the morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. Three lecture and three laboratory hours each week.

BIO 474. (576) Comparative Morphology of Vascular Plants (4) Prerequisite: BIO 205. An in-depth study of the major groups of vascular plants with emphasis on structure, life histories, development, and phylogeny. Three lecture and three laboratory hours each week.

BIO 475. (574) Plant Taxonomy (4) Prerequisite: BIO 205. An introduction to identification, classification, and nomenclature of vascular plants with emphasis on the flora of southeastern North Carolina. Two lecture and four laboratory hours each week.

BIO 478. Global Environmental Problems (3) Prerequisite: BIO 110 or CHM 102 or EVS 195 and junior status. Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, pollution impacts.

BIO 480. (580) Field Studies in Biology (1-6) Prerequisite: BIO 205, 206, and consent of instructor (BIO 366 and credit in advanced zoology or botany recommended). A research/experience-oriented field course offered in selected regional locales. Emphasis is placed on distribution, taxonomy, and ecology of animal and/or plant organisms.

BIO 481. (559) Marine Invertebrate Zoology (4) Prerequisite: BIO 205 and 206. A field oriented course that provides in-depth ecological and taxonomic treatment of selected invertebrate groups. Three lecture and three laboratory hours each week.

BIO 482. (582) Wildlife Ecology (3) Prerequisite: six hours of biology courses. Principles of wildlife ecology and management, including population dynamics, diseases, techniques, behavior, habitat manipulations, policy and administration, and contemporary issues such as antihunting. Assigned field problems.

BIO 485. (585) Special Topics in Advanced Biology (1-6) Designed to deal with selected topics not considered in detail in regular course offerings. More than one topic may be taken for credit.

BIO 487 (587). (GLY 458/558) Introduction to Coastal Management (4) Prerequisites: Junior standing or consent of instructors. Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems. Three lectures and three laboratory hours each week.

BIO 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

BIO 495. Seminar (1-3) Prerequisite: Junior or senior standing and consent of instructor. Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology. May be repeated for a maximum of three semester hours.

BIO 499. Honors Work in Biology (2-3) Prerequisite: Second semester junior or senior standing. Independent study for honor students.

For 292 and 492; 294 and 494 see explanations, on p. 102, 158.

Business Law Course Descriptions

(Department of Accountancy and Business Law)

BLA 261. Law and Society (3) Prerequisite: For nonbusiness majors only. Study of the American Legal System and how the legal system affects the rights and activities of individuals. Examines and distinguishes the civil law system and the criminal law system. Topics also include Tort Law, Contract Law, Property Law, Constitutional Law, Antitrust law, Copyright Law, and International Law.

BLA 361. Legal Environment of Business (3) Prerequisite: Junior or senior standing. Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values. Topics include agency, antitrust, forms of business organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

BLA 362. Environmental Law (3) An examination of the purposes, methodology, and impacts of the environmental regulatory process, ranging from the traditional common law remedies to novel approaches such as the pollution rights markets. Students will gain a fundamental understanding of the context of environmental law.

BLA 461. Commercial Law (3) Prerequisite: Junior or senior standing. Study of the commercial legal environment in which business enterprises operate. Examines the law of contracts, sales and warranties, security interests, commercial paper, and debtor and creditor rights.

BLA 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

BLA 495. Senior Seminar in Business Law (3) Prerequisite: BLA 361 and senior standing. Special topics in accountancy not regularly addressed in other courses in business law.

BLA 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Business Course Descriptions

(Department of Management and Marketing)

BUS 150. Introduction to Business (3) A survey of the essential business processes required to compete effectively in today's global market. Business issues, decisions and practices facing managers in this dynamic marketplace are examined. Contemporary issues challenging businesses are integrated into the course as well. Themes stressed throughout the course are: competing in a global market, social responsibility, ethical business practices and career opportunities. (Not available for credit to students enrolled in the Cameron School of Business Administration.).

Chemistry Course Descriptions

(Department of Chemistry)

CHM 101-102. General Chemistry (3-3) Prerequisite or corequisite: MAT 111-112 or 115. Fundamental laws, principles, and theories of chemistry and a study of selected elements and compounds. Normally taken concurrently with CHML 101-102.

CHML 101-102. General Chemistry Laboratory (1-1) Prerequisite or corequisite: CHM 101-102. Introduction to techniques and equipment in the chemistry laboratory; interpretation of experimental results. Quantitative and qualitative analysis included. Three laboratory hours each week.

CHM 103. Chemistry in Everyday Life (4) A terminal, relatively non-mathematical one-semester course in chemistry for the nonscience major. Topics include atomic and molecular structure as a basis for a general understanding of chemical reactions, drug activity, cancer, nuclear power, pesticides, environmental problems, energy resources, food additives, and the chemical industry. Three lecture and three laboratory/discussion hours each week. May not be taken for credit after CHM 102 has been passed.

CHM 211-212. Organic Chemistry (3-3) Prerequisite: CHM 102 and CHML 102. Introduction to the chemistry of carbon compounds, including structural theory, synthesis, and reaction mechanisms. Normally taken concurrently with CHML 211-212.

CHML 211-212. Organic Chemistry Laboratory (1,1) Prerequisite or corequisite: CHM 211-212. Three laboratory hours each week.

CHM 215. Fundamentals of Organic and Biological Chemistry (3) Prerequisite: CHM 101 and CHML 101. A one-semester study of organic and biological chemistry. Topics include carboxylic acids, esters, amines, amides, carbohydrates, lipids, proteins, nucleic acids, nutrition, enzymes, hormones, neurotransmitters, and intermediary metabolism.

CHML 215. Laboratory for Fundamentals of Organic and Biological Chemistry (1) Corequisite: CHM 215. Introduction to equipment and techniques of organic and biological chemistry and interpretation of experimental results. Three laboratory hours each week.

CHM 235. Quantitative Analysis (2) Prerequisite: CHM 102, CHML 102. Prerequisite or corequisite: CHM 255. Theory of (a) gravimetric and volumetric analysis, (b) instrumental techniques, and (c) sampling, sample preparation, and monitoring of air, water, etc. Normally taken concurrently with Quantitative Analysis Laboratory.

CHML 235. Quantitative Analysis Laboratory (2) Prerequisite or corequisite: CHM 235. Four laboratory hours each week.

CHM 255. Introduction to Computer Application and Chemical Literature (3) Prerequisite or corequisite: CHM 211. Microcomputer applications in chemistry, including an introduction to microcomputer design, peripherals, applications, communications, and instrument interfacing. Organization of the chemical literature, literature search by traditional and computer methods, and data retrieval. (No computer experience required. Intended for students who will be taking CHM 235 or 321).

CHM 315-316. Advanced Techniques of Organic Chemistry (2-2) Prerequisite or corequisite: CHM 211-212 and CHML 211-212. Theory and practice of chromatographic methods of separation and spectroscopic methods of identification. One lecture and three laboratory hours each week.

CHM 321. Fundamentals of Physical Chemistry (4) Prerequisite: CHM 102, 255 or equivalent, PHY 202. An overview of topics in physical chemistry stressing fundamental concepts in thermodynamics, kinetics and quantum mechanics.

CHM 322. Physical Chemistry (3) Prerequisite: CHM 102, 255 or equivalent, PHY 202, and MAT 261. Chemical kinetics, introduction to quantum mechanics, atomic and molecular structure, and spectroscopy.

CHML 321-322. Physical Chemistry Laboratory (1,1) Prerequisite or corequisite: CHM 321 and 322, respectively. Three laboratory hours each week.

CHM 377. Environmental Chemistry (3) Prerequisite: CHM 102. Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics.

CHML 377. Environmental Chemistry Laboratory (1) Corequisite: CHM 377. Laboratory analysis of environmental samples, including applications of standard EPA methods. Three laboratory hours each week.

CHM 415. (515) Advanced Organic Chemistry (3) Prerequisite: CHM 212. Theoretical organic chemistry with emphasis on reaction mechanisms and special synthetic methods.

CHM 417. (517) Medicinal Chemistry (3) Prerequisite: CHM 212. Systematic study of the chemistry, as well as the biological activity of hormones, vitamins, drugs affecting the nervous system, and other miscellaneous agents. Prior CHM 415 or CHM 465 is recommended. Spring 1994 and alternate years.

CHM 435. (535) Advanced Analytical Chemistry (2) Prerequisite: CHM 235, 321, and CHML 321. Theory of modern analytical instrumentation and techniques. Normally taken concurrently with CHML 435.

CHML 435. (535) Advanced Analytical Chemistry Laboratory (2) Prerequisite or corequisite: CHM 435. Four laboratory hours each week.

CHM 445. Inorganic Chemistry (3) Prerequisite: CHM 321. Study of periodic relationships: crystal lattice theory; transition metals and ions; crystal field theory; organometallic structures and reactions; and reaction mechanisms.

CHML 445. Inorganic Synthesis (1) Prerequisite or corequisite: CHM 445. Synthesis and techniques in inorganic chemistry. Normally taken concurrently with CHM 445. Three laboratory hours each week.

CHM 446. (546) Advanced Inorganic Chemistry (3) Prerequisite: CHM 445. Topics in inorganic chemistry, including ligand field theory; chemical applications of group theory; hybridization of orbitals and molecular orbital theory, molecular vibration, spectroscopy, and principles of quantum mechanics. This course will emphasize these topics in the framework of the molecular symmetry.

CHM 465. (565) Biochemistry (3) Prerequisite: CHM 212 and 321. Study of the physical structures of carbohydrates, lipids, amino acids, proteins, nucleic acids, vitamins and minerals and the chemical principles governing their biological activity. Special emphasis will be given to enzyme kinetics, solution properties of macromolecules, and the thermodynamic principles of intermediary metabolism.

CHM 467. (567) Biochemical Techniques and Instrumentation (2) Prerequisite or corequisite: CHM 465 or consent of instructor. Theory and practice of advanced biochemical techniques, including buffer and reagent preparation, protein assay, protein purification, electrophoresis, enzyme kinetics, tryptic peptide digestion, membrane vesicle construction, DNA isolation, and molecular modeling. One lecture and three laboratory hours each week.

CHM 475. (575) Chemical Oceanography (3) Prerequisite: CHM 102. Sources, distribution, forms of occurrence, and reactions of chemical species in seawater. This course will emphasize estuarine reactions, dynamic equilibria, air-seawater and sediment-seawater reactions, and human impact on the oceans. Prior GLY 150 is recommended.

CHM 476. (576) Chemical Analysis of Natural Waters (2) Prerequisite: CHM and CHML 235. Standard chemical methods will be used to analyze natural water samples, including fresh water samples and seawater. Methods will be evaluated with respect to appropriate applications. Analyses to be studied include salinity, chloride, dissolved oxygen and oxygen demand, pH and alkalinity, nutrients, chlorophyll, suspended material, and dissolved metals. One lecture and three laboratory hours each week.

CHM 485. (585) Industrial and Polymer Chemistry (3) Prerequisites: CHM 211-212 and 321. Properties, synthesis, and reactions of major industrial chemicals; synthetic plastics, polyesters, polyamides, and rubbers; soaps and detergents; petrochemicals; paints and pigments; dyes; explosives; pulp and paper; pharmaceutical and nuclear industries; mechanism of polymerization, copolymerization; physical and chemical properties of polymers; polymer characterization; advances in polymer technology.

CHM 490. (590) Special Topics in Chemistry (1-3) Prerequisite: Junior or senior standing and consent of instructor. Selected topics in chemistry that are beyond the scope of regular course offerings. May be repeated once under a different subtitle.

CHM 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

CHM 495. Senior Seminar (1-3) Prerequisite: CHM 255 and 25 semester hours of chemistry courses. Discussion of selected topics. One hour each week.

CHM 499. Honors work in Chemistry (2-3) Prerequisite: Second semester junior or senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Classics Course Descriptions

(Department of Foreign Languages and Literatures)

CLA 110. English Words from Latin and Greek Elements (3) A systematic study of the Latin and Greek elements from which over two thirds of English vocabulary are formed. Emphasis on developing a better understanding of English vocabulary and usage, learning to analyze unknown words encountered in reading, learning principles of linguistic change, and examining the history of the English language. Special sections on legal, scientific, military and sports terminology. No knowledge of Latin or Greek is needed.

CLA 209. (ENG 209) Classical Literature in Translation: Topics (3) Prerequisite: ENG 102. Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.

CLA 210. (ENG 210) Mythology (3) Prerequisite: ENG 102. The major mythological systems of Western society—Greek, Roman and Norse. Mythology of other parts of the world and related material are also considered.

CLA 330. Women in Ancient Greece and Rome (3) Prerequisite: Sophomore standing. Women in ancient Greece and Rome through documentary, artistic and literary sources. Women's economy and community, medical issues, slavery, religion, construction of gender roles, and images of heroines in literature and the arts

CLA 345. (ENG 345) Topics in Mythology (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. The study of a selected theme in world mythologies. Content varies from semester to semester. May be repeated once under a different subtitle.

Clinical Laboratory Sciences Course Descriptions

(Medical Technology)

CLS 401. Immunology-Serology (2) A study of the innate and adaptive immune response mechanisms in the body and the laboratory methods used to evaluate these responses. Special emphasis on serological techniques.

CLS 405. Hematology (8) A study of the formation, morphology, and functions of human blood cells, primary and secondary hematological diseases and clinical laboratory tests for diagnosing them; hemostasis and the evaluation of clotting disorders.

CLS 407. Immunohematology (4) A study of the clinical transfusion service, including collection and handling of donor blood and its components, blood typing, compatibility testing between donor and recipient blood and between maternal and fetal blood, and identification of factors responsible for incompatibilities.

CLS 412. Clinical Microbiology (8) A study of the medically important bacteria, fungi, viruses, parasites, and associated infectious diseases; special emphasis on the study of appropriate clinical specimens for isolation and identification of microorganisms involved in the infectious process and on testing these isolates for antibiotic susceptibility.

CLS 414. Clinical Microscopy (2) Chemical and microscopic study of urine and other body fluids in health and disease, microscopic analysis of urinary sediment, and study of renal physiology.

CLS 420. Clinical Chemistry (8-10) Study of the biochemical analyses of blood and other body fluids to evaluate the enzymes,hormones, electrolytes, drugs, and other important chemicals in the body; use and maintenance of sophisticated instrumentation and quality control.

CLS 490. Special Topics in the Clinical Laboratory Sciences (1-2)

Communication Studies Course Descriptions

(Department of Communication Studies)

COM 105. Introduction to Communication Studies (3) Introduction to the study of human communication. Topics include communication theory, interpersonal communication, small group and organizational communication, public communication, mass communication and intercultural communication.

COM 110. Public Speaking (3) Preparation and presentation of public speeches, with emphasis in analysis, reasoning, organization, evidence, and delivery.

COM 116. Performance of Literature (3) The study and analysis of literature through the medium of oral performance.

COM 175. Chamber Theatre (1) Participation in individual and group performances and productions on campus, in the community, and in the region; by audition only; course may be repeated for up to eight hours of total credit.

COM 210. Performance of Children's Literature (3) Principles of performance and analysis of children's literature, with special emphasis on prose and poetry for younger children. Traditional folk tales, picture books, and contemporary poetry are stressed.

COM 211. Storytelling (3) An introduction to the study and communication of stories and the artistic practice of storytelling; specific attention to personal stories, traditional folk and fairy tales, and North Carolina regional tales.

COM 220. Interpersonal Communication (3) This course focuses upon the communication process in face-to-face situations. It is designed to improve the everyday communication skills of the student through a greater understanding of the interpersonal process. Emphasis is placed upon the development of interviewing techniques, information acquisition and persuasive dialogues.

COM 221. Small-Group Communication (3) Theory and practice of small-group communication. Emphasis on learning how to work effectively in groups and how to manage group decision-making and problem-solving.

COM 222. Critical Listening (3) Prerequisite: COM 105. Study of listening as a communication activity with emphasis on theory and research.

COM 223. Mediation and Conflict Management (3) Mediation in both theoretical and practical contexts. Mediation skills for use in private and public settings, including the alternative dispute resolution methods of negotiation, arbitration, and litigation. Emphasis on the relations between mediation centers and the North Carolina court systems.

COM 230. Voice and Diction (3) Principles and use of the voice exercises in vocal variety, articulation and pronunciation.

COM 265. Survey of Mass Communication (3) Examination of mass communication focusing on the development, functions, theoretical foundations, and effects of mass media on individuals, society, and culture.

COM 268. Broadcast Journalism (3) Prerequisite: ENG 102. Principles and basic skills in writing for the broadcast media; includes exercises inside and outside of classroom. Emphasis on broadcast news writing, news coverage, news editing, and news problems and potentials.

COM 270. Parliamentary Procedure (1) Principles and rules governing deliberative assemblies.

COM 275. The Art of Persuasive Speech (3) Power of speech as a tool to influence thought processes of others in both negative and positive ways.

COM 276. Debate (3) Principles of argumentation and style in their application to formal debate; practice in conventional debate form on current national intercollegiate debate resolution.

COM 277. Argumentation (3) Principles of argumentation, including theory and practice. Emphasis on development of argument-analysis skills. Techniques for clear, effective, and reasoned advocacy.

COM 290. Rhetoric of Popular Culture (3) Analysis will focus upon an understanding of the various persuasive influences inherent in modern society. Area of emphasis will include analysis of persuasive appeals in advertising, music, art, movies, theatre, social movements, politics, literature, and sports.

COM 295. Seminar in Communication Studies (3) Special topics in communication that are not dealt with in other courses. This course may be repeated under a different subtitle.

COM 311. Communication and Leadership (3) Prerequisite: EDN 211 or consent of instructor. Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals. Development of conflict management and decision-making goals.

COM 316. Advanced Performance of Literature (3) Prerequisite: COM 116, or THR 231, or consent of instructor. Application of performance skills to contemporary literature; emphasis on direct engagement with performance and performance theory. Character biography, improvisation, and creative dramatics exercises are stressed.

COM 320. Performance of Southern Literature (3) Prerequisite: COM 116 or consent of instructor. Focuses primarily on prose, fiction, and humorous essay by contemporary authors including Welty, O'Conner, McCorkle; explores basic and advanced performance techniques.

COM 325. Business and Professional Speaking (3) Prerequisite: COM 110. Public speaking skills in directed experiences especially related to speech communication tasks which accompany the role of a business or professional person. Topics include the delivery of briefings, manuscript speeches, conferences, interviewing, salesmanship, use of electronic extenders and visual aids.

COM 327. Organizational Communication (3) The study of communication in organizations: theories of communication and their applications to organizations.

COM 340. Communication Theory (3) Theoretical perspectives concerning how and why people communicate. Emphasis on a greater understanding of the human communication process.

COM 341. Rhetorical Theory (3) Introduction to the basic classical and contemporary theories of rhetoric from Plato through the present.

COM 345. Speech Writing (3) Prerequisite: ENG 102 and consent of instructor. The theory and practice of speech writing with special emphasis on writing speeches for others.

COM 360. Mass Media Research (3) Prerequisite: COM 265 or consent of instructor. Research techniques of the mass media through application of various methods to broadcast and print media, advertising, and public relations.

COM 365. Media Law (3) Prerequisite: COM 265, or 268, or consent of instructor. Survey of broadcast history, law, politics, and regulation with emphasis on the roles of the Federal Communications Commission, the White House, Congress, courts, citizen's groups, and the broadcast industry itself in creating and enforcing broadcast regulations.

COM 390. Intercultural Communication (3) Prerequisite: COM 110 or consent of instructor. Theoretical and practical perspectives on communication effectiveness in dealing with people, groups, or organizations that are culturally different within and across national boundaries.

COM 391. Interracial Communication (3) Content and quality of interracial relationships. Communicative behaviors between Euro- and African-Americans and contextual dynamics unique to such interactions.

COM 392. Aging and Communication (3) Communicative behavior of the elderly within the contexts of friendship networks, health care systems, the work place and the family. Social forces that influence society's perceptions of the aging communicator.

COM 415. Group Performance (3) Prerequisite: COM 116, or THR 355, or consent of instructor. Principles of group performance, with special emphasis on theories and skills related to narrative or Chamber Theatre. Selection, adaptation, direction, and performance of prose fiction are stressed.

COM 421. Communication for Public Relations (3) Prerequisite: Any one of the following: COM 265, 268, 275, 327, 340, 365, 465 or ENG 202. Principles of public relations, with special emphasis on those theories and skills relevant to the communication functions of businesses and non-profit organizations.

COM 422. Advanced Communication for Public Relations (3) Prerequisite: COM 421 or consent of instructor. Application of public relations skills to the contemporary organization, with emphasis on public relations as a managerial communication system. Public relations campaign management, programming, implementation and evaluation are stressed.

COM 423. Negotiation (3) Prerequisite: COM 223. Theoretical and practical perspectives of negotiation. Emphasis on negotiating techniques for use in business and interpersonal relationships, especially on the differences between integrative and distributive bargaining.

COM 441. Rhetorical Criticism (3) Prerequisite: COM 341 or consent of instructor. Contemporary and traditional methods of criticizing public discourse. Topics include Neo-Aristotelian, Eclectic, Burkian, and Feminist approaches.

COM 445. Nonverbal Communication (3) Study of nonverbal behavior as a communication system with emphasis on theory and research. Topics include touch, eye contact, body language, paralanguage, and space.

COM 450. History of Rhetoric and Public Address (3) A survey of the development of rhetorical principles and style as evidenced by significant historical personalities and the literary genre of public address.

COM 465. Mass Communication in Society (3) Prerequisite: COM 265. A seminar encompassing the development of mass communications, the obligations of the press, radio and television, the government and the right to know, censorship, invasion of privacy and other effects of mass communications.

COM 467. Broadcast Advertising and Audience Analysis (3) Prerequisite: COM 265 or consent of instructor. Examination of advertising from theoretical and practical perspectives, which take into account its economic and social effects on contemporary society.

COM 485. Senior Project (3)

COM 490. Senior Seminar in Communication Studies (3) Prerequisite: Senior standing in communication studies. Study of major theoretical concerns in the field of communication studies. Research project required. Content varies with instructor. This course may be repeated under different subtitles.

COM 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

COM 498. Internship in Communication Studies (3 or 6) Prerequisite: Permission of Communication Studies faculty and senior status and GPA of at least 2.50. A program of work and study conducted within an agency or setting that provides practical experience with observation and applications of theoretical concepts in communication. (A maximum of 12 semester hours of internship credit may be counted toward graduation. Internship hours cannot be counted toward the communication studies degree requirements.)

COM 499. Honors Work in Communication (2-3) Prerequisite: Senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Criminal Justice Course Descriptions

(Department of Sociology and Anthropology)

CRJ 105. Introduction to Criminal Justice (3) Study of criminal law and the criminal justice system in the U.S. Emphasis on structure and function of police, courts and corrections.

CRJ 110. Issues in Criminal Justice (3) Critical issues and contemporary debates in criminal justice.

CRJ 210. Police in Society (3) Prerequisite: CRJ 105. Analysis of role and behavior of police in the U.S. Special attention to social environment and political climate effecting the police.

CRJ 220. Criminal Courts (3) Prerequisite: CRJ 105. Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants and jurors.

CRJ 230. Corrections (3) Prerequisite: CRJ 105. Study of societal patterns of punishment, alternatives to incarceration, consequences of imprisonment and correctional strategies of rehabilitation and deterrence.

CRJ 310. White Collar Crime (3) Prerequisite: CRJ 201. Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

CRJ 315. Victimology (3) Prerequisite: CRJ 201. Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

CRJ 370. Minorities, Crime and Criminal Justice Policy (3) Prerequisite: CRJ 201 plus three additional hours in criminal justice. Study of minorities in crime and criminal justice system. Special focus on the role of racism and sexism in theories of crime and in administration of justice.

CRJ 380. Criminal Law and Procedure (3) Prerequisite: CRJ 201 plus three additional hours in criminal justice. Basic concepts of statutory and procedural law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; constitutional and statutory procedures regarding arrest, search and seizure, interrogation and suspect identification. Special focus on North Carolina law.

CRJ 405. Criminal Justice Administration (3) Prerequisite: CRJ 201 plus six additional hours in criminal justice. Concentration on management techniques and supervisory roles for various administrative segments of the criminal justice system.

CRJ 410. World Criminal Justice Systems (3) Prerequisite: CRJ 201 plus six additional hours in criminal justice. Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences. Analysis includes criminal justice systems of England, France, Sweden, Japan and the Soviet Union.

CRJ 415. Research Methods in Criminal Justice (3) Prerequisite: Nine hours of criminal justice and SOC 302. Advanced research methods with application to criminal justice agencies. Special attention to problems and practical solutions in conducting evaluation research in applied settings.

CRJ 420. Collective Violence (3) Prerequisite: Nine hours in criminal justice and SOC 105. Analysis of group violence and its control. Topics include: theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and contemporary forms.

CRJ 450. Criminal Justice Theory (3) Prerequisite: CRJ 201 plus six additional hours in criminal justice. Theories of justice and crime control. Covers philosophy and principles of the U.S. system of justice.

CRJ 490. Criminal Justice Practicum (3) Prerequisite: Senior standing in criminal justice. Field placement in various criminal justice agencies. Integrates practical experience with classroom knowledge. Practicum students required to participate in ONE hour weekly seminar (CRJL 490).

CRJL 490. Criminal Justice Laboratory (1) Corequisite: CRJ 490. Classroom discussion of selected topics related to criminal justice practicum.

CRJ 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

CRJ 495. Topical Seminar (1-3) Prerequisite: Junior or senior standing and consent of instructor. Discussion of selected topics in criminal justice. May be repeated under a different subtitle.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Computer Science Course Descriptions

(Department of Mathematical Sciences)

CSC 105. Introduction to Computing and Computer Applications (3) Basic elements of computing machines and computing processes. Computer hardware, algorithms, programming languages, some applications - e.g., word processing, database management, communications - and various social and technical issues of computer technology. Introduction to programming in some language and familiarization with a variety of computer systems.

CSC 111. Introduction to Computer Programming Using FORTRAN (3) Prerequisite: MAT 111 or 115. Algorithms and computer systems, data representation, survey of computer applications, elementary programming techniques in FORTRAN, debugging and verification of programs. Three lecture and one laboratory hour each week.

CSC 112. Introduction to Computer Programming (3) Prerequisite: MAT 111 or 115 or equivalent preparation. An introduction to programming in a high-level language for students who are not computer science majors. Algorithms, computer systems, data representation, survey of computer applications, elementary programming techniques, debugging and verification of programs. The language to be used will be specified in the schedule of classes. Three lecture and one laboratory hour each week.

CSC 121. Introduction to Computer Science I (3) Prerequisite: MAT 111 or 115, or equivalent. Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on programming style and the design, coding, and testing of complete programs. A grade of "C" or better is required for taking any course for which CSC 121 is prerequisite. Three lecture and one laboratory hour each week.

CSC 125. Computer Language—FORTRAN (2) Prerequisite: CSC 121. Elementary and intermediate programming techniques in FORTRAN. Computer solution to numeric problems. No credit after completion of CSC 111.

CSC 126. Computer Language—PL/1 (2) Prerequisite: CSC 111 or 121. Elementary and Intermediate programming techniques in PL/1. Computer solution to numeric problems and non-numeric problems.

CSC 127. Computer Language—COBOL (2) Prerequisite: CSC 111 or 121. Elementary and intermediate programming techniques in COBOL. Computer solution to business oriented problems.

CSC 128. Interactive Personal Computing (2) Prerequisite: CSC 111 or 121. Elementary programming techniques using interactive services. The use of personal computers.

CSC 133. Discrete Structures I (3) Corequisite: CSC 111, CSC 112, or CSC 121. Introduction to discrete mathematics applicable to computer science. Set algebra and Boolean algebra, propositional calculus and predicate calculus, relations, and functions, recursion and induction, introduction to trees and graphs.

CSC 220. (ART 220) Computer Animation for the Visual Arts (3) Prerequisite: ART 101 or consent of instructor. Exploration of design elements of shape, line, texture, value, color, space, and time using computer graphics software with microcomputers. Projects in 2-D and animation.

CSC 221. Introduction to Computer Science II (4) Prerequisites: CSC 121 and 133. Continuation of CSC 121 with emphasis on character and string manipulation, arrays and pointers, elementary data structures, sorting, recursion, and the use of software tools. Completion of a software project is requires. A grade of "C" or better is required for taking courses for which CSC 221 is a prerequisite.

CSC 233. Discrete Structures II (3) Prerequisite: CSC 133. Overview of linear algebra and combinatorics applicable to computer science. Matrix algebra and vector spaces: systems of equations, independence and decompositions, linear transformations, eigenvalues, Markov chains. Combinatorial reasoning: elementary probability, permutations and combinations, binomial theorem, pigeonhole principle, inclusion-exclusion, recurrence relations.

CSC 241. Introduction to Computer Systems & Assembly Languages (3) Prerequisite: CSC 121. Introduction to computer structure. Registers, machine instructions and formats; number and character representation; execution control and addressing techniques. Basic input-output programming; files; procedures, segmentation, and linkage, recursion and reentrancy; floating-point and string operations. Symbolic and machine-level debugging.

CSC 242. Digital Logic and Computer Organization (3) Prerequisite: CSC 133. Corequisite: CSC 241. Study of computer system organization. Combinational and sequential circuit analysis and synthesis; medium and large-scale integrated circuits. Register-transfer language and microprogramming; instruction fetch and execution; flow of control. Input-output, controllers, interrupts, communications and codes. Introduction to computer networks.

CSC 305. Computer Graphics (3) Prerequisite: CSC 221, MAT 162, and CSC 233 or MAT 335. Detailed study of two-dimensional graphics and introduction to issues from three-dimensional graphics. Graphics hardware and applications. Study of graphics primitives in two dimensions: lines, attributes, windowing, clipping, transformations. Overview of other topics: three-dimensional transformations, modeling, color science, rendering.

CSC 325. (MAT 325) Numerical Algorithms (3) Prerequisite: CSC 111 or 121, MAT 162. An introduction to the numerical algorithms fundamental to scientific computer work. Includes elementary discussion of error, polynomial interpolation, quadrature, linear systems of equations, solution of nonlinear equations, and numerical solution of ordinary differential equations. The algorithmic approach and the efficient use of the computer are emphasized.

CSC 332. Data Structures (3) Prerequisite: CSC 221. Study of basic data structures and their applications. Lists and trees; graph algorithms; internal and external sort and search techniques; hashing; analysis and design of efficient algorithms; file processing techniques.

CSC 334. Programming Languages (3) Prerequisite: CSC 332. Formal definition of programming languages including specification of syntax and semantics. Simple statements including precedence, infix, and postfix notation. Global properties of algorithmic languages including scope of declarations, storage allocation, grouping of statements, binding time of constituents, subroutines, coroutines, and tasks. List processing, string manipulation, data description, and simulation languages. Run-time representation of program and data structures.

CSC 337. Parallel Computing (3) Prerequisite: CSC 242 and 332. Hardware and software issues in parallel computing. Parallel architectures, network topologies, models of parallel computation, languages for parallel programming, and parallel algorithms. Parallel program design and debugging using the language Occam. Issues of non-determinism, synchronization and deadlock. Survey of parallel applications.

CSC 342. Operating Systems (3) Prerequisite: CSC 221. Study of supervisory programs. System services and file systems; CPU scheduling; memory management; virtual memory; disk scheduling. Deadlock characterization, prevention, and avoidance; concurrent processes; semaphores; critical sections; synchronization. Distributed systems and communication protocols.

CSC 344. Computer Networks (3) Prerequisite: CSC 342. The theory and application of intercomputer communication. Local- and wide-area networks; data transmission and error correction; OSI and TCP/IP layering protocols; ethernet, token ring, token bus, and other network technologies; network topologies; the client-server model; bridges and multi-protocol routers; the Internet. Applications include electronic funds transfer and distributed databases.

CSC 350. Computer Components and Circuits (3) Prerequisite: MAT 162 and PHY 202. Introduction to the basic elements of electricity, electronics, and semi-conductor device theory as applied to computer components. Voltage, current, Ohms's law; capacitance, inductance, reactance, impedance, and analysis of AC circuits; transmission lines; transistors, flip-flops, and small-scale integrated circuits; medium and large-scale integrated circuits and the microprocessor.

CSC 360. Formal Languages and Computability I (3) Prerequisite : CSC 233. An introduction to theoretical computer science. Topics include regular expression and finite state concepts; basic automata theory; formal grammars and languages; computability; Turing machines; elementary recursive function theory.

CSC 365. Switching Theory (3) Prerequisite: CSC 133. Switching algebra, gate network analysis and synthesis, Boolean algebra, combinational circuit minimization, sequential circuit analysis and synthesis, sequential circuit state minimization, hazards and races, and elementary number systems and codes.

CSC 410. Compiler Construction (3) Prerequisite: CSC 332 and 360. Review of program language structures, translation, loading, execution, and storage allocation. Compilation of simple expressions and statements. Organization of a compiler including compile-time and run-time symbol tables, lexical scan, syntax scan, object code generation, error diagnostics, object code optimization techniques, and overall design. Use of compiler writing languages and bootstrapping.

CSC 422. Performance Evaluation of Computer Systems (3) Prerequisite: STT 215, MAT 162, and CSC 342. Modeling and evaluation of computer systems. Probability spaces and probability calculus, random variables and their distribution functions, the calculus of expectations. Markov chains; birth-death processes; Poisson processes; single queue; network of queues and their simulation. System simulation for performance prediction. Modeling concurrent processes and the resources they share.

CSC 425. (525; Mathematics 425/525) Numerical Analysis (3) Prerequisite: MAT 325, 335 and 361. Introduction to the theoretical foundations of numerical algorithms. Solution of linear systems by direct methods, least squares, minimax, and spline approximations; polynomial interpolation; numerical integration and differentiation; solution of non-linear equations; initial value problems in ordinary differential equations. Error analysis. Certain algorithms are selected for programming.

CSC 432. (532) Advanced Data Structures (3) Prerequisite: CSC 233 and 332. Advanced topics in data structures, with emphasis on algorithmic complexity. Recursive list manipulations; paradigms of search; biconnectivity, strong connectivity, and precedence relations in graphs; pattern matching; search trees; memory management and secondary storage; optimal techniques for sorting, merging, and selection.

CSC 442. Computer System Architecture (3) Prerequisite: CSC 242. Advanced study of the architecture of computer systems. Common processor organizations, hardwired and micro-programmed control, input/output subsystem; bus control; programmed I/O; DMA and interrupts; memory subsystem; interleaved, cache and associative memory; cache design; instruction pipelines, arithmetic pipelines, and their scheduling, RISC and CISC architectures, common multiiprocessor architectures.

CSC 450. Software Engineering (3) Prerequisite: CSC 332. Study of the design and production of large and small software systems. Topics include systems engineering, software life-cycle and characterization; use of software tools.

CSC 455. Data Base Management Systems (3) Prerequisite: CSC 332. Introduction to data base concepts, data independence, logical and physical views of data base systems. Data models: hierarchial, network, and relational. Data description languages, query functions, relational algebra.

CSC 460. Formal Languages and Computability II (3) Prerequisite: CSC 360. Advanced topics in theoretical computer science. Theory of computation; languages and syntactic analysis; computational complexity and NP -completeness.

CSC 475. Topics in Computer Science (3) Prerequisite: Senior standing and permission of instructor. Topics of current interest in computer science not covered in existing courses. May be repeated under a different subtitle.

CSC 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

CSC 495. Seminar in Computer Science (1) Prerequisite: Junior or senior standing and consent of instructor.

CSC 499. Honors Work in Computer Science (2-3) Prerequisite: Eligibility for honors program. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Economics Course Descriptions

(Department of Economics and Finance)

ECN 125. Survey of Economics (3) An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222.)

ECN 221. Principles of Economics—Micro (3) Prerequisite: MAT 111. Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

ECN 222. Principles of Economics—Macro (3) Prerequisite: ECN 221. Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

ECN 320. Managerial Economics (3) Prerequisite: PDS 314. The theory and application of economics principles and methodology to the decision making process under conditions of uncertainty. Includes the following topics: demand theory and analysis; cost and production conditions facing the firm; forecasting; resource allocation and management of inputs; pricing, profit strategies, and market structure; and finance and investment decision making for the firm.

ECN 321. Intermediate Price Theory (3) Prerequisite: MAT 151 and ECN 222. A theoretical analysis of individual consumer and firm behavior and general equilibrium.

ECN 322. National Income Analysis (3) Prerequisite: ECN 321. A theoretical analysis of the determination of aggregate income, aggregate employment, and the average price level and role of monetary and fiscal policy in the determination of such.

ECN 323. Business, Government and Society (3) Prerequisite: ECN 222. A broad study of the role of business enterprises in society and their relationships with government. Examines influence on decision making of changing social values, changing political, legal, and regulatory environments.

ECN 324. Money and Capital Markets (3) Prerequisite: ECN 222. An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

ECN 325. (EVS 325) Environmental Economics (3) Prerequisite: ECN 125 or 221. Application of economics concepts to environmental problems; common property resources, public goods, and technological externalities as determinants of market failure; institutional alternatives involving economic incentives.

ECN 326. Comparative Economic Systems (3) Prerequisite: ECN 125 or 222. Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

ECN 328. Public Finance (3) Prerequisite: ECN 222. Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

ECN 329. Industrial Organization (3) Prerequisite: ECN 222. A theoretical and empirical study of how the structure of industry affects the conduct and performance of the firm; covers government regulation, control and influence in business activity with respect to structure, conduct and performance.

ECN 421. History of Economic Thought (3) Prerequisite: ECN 222. Scientific economic thought and philosophy from ancient to modern times. Open-ended as to dates of time period covered. Primary emphasis is on topics as opposed to schools of thought.

ECN 422. Econometrics (3) Prerequisite: PDS 217 and ECN 321. An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

ECN 426. International Trade and Finance (3) Prerequisite: ECN 222. A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

ECN 427. Labor Economics (3) Prerequisite: ECN 222. An analysis of the demand for and the supply of labor at the individual and the aggregate level; labor unions and collective bargaining.

ECN 428. Regional Growth and Development (3) Prerequisite: ECN 222. Theories of subnational or regional economic growth. Measures of regional economic policies to alleviate problems resulting from disparate rates of regional economic growth.

ECN 433. (FIN 433) Introduction to Speculative Markets (3) Prerequisite: ECN 324 and FIN 335 or permission of instructor. Elementary economics of financial futures and options markets. Mechanics of trading and coverage of existing regulations. Pricing and strategies in options and futures contracts in the markets for financial assets and commodities. Hedging, risk management and valuation.

ECN 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

ECN 495. Senior Seminar in Economics (3) Prerequisite: ECN 322 and consent of instructor. An examination of current problems in economics organized on a discussion-research basis. The content of the course will vary as changing conditions and economic priorities require the use of new approaches to deal with current issues.

ECN 498. Internship in Economics (1-3) Prerequisite: Senior status and consent of department chairperson. Involves the application of economics concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

ECN 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Education Course Descriptions

(Department of Curricular Studies, Department of Specialty Studies)

EDN 105-106. Seminar in Education (1-1) Prerequisite: Permission of instructor. Required of all North Carolina Teaching Fellows during freshman year. Open to others if space is available. An examination of issues and forces related to public education and the profession of teaching in the United States. Topics include political, social, and instructional issues. Emphasis also upon the development of skills essential to academic success. Activities include lectures, discussions, field activities, and reading of selected educational literature. One hour each week.

EDN 200. Teacher, School and Society (3) Corequisite: EDNL 200. Introduction to profession of teaching that acquaints prospective teachers with diverse roles of teachers. Focuses on teacher as decision-maker; careers in education; social, historical and philosophical foundations of education; governmental and organizational aspects of schools; and current and future trends in American education. Observation skills are developed through field experience.

EDNL 200. Field Studies (1) Corequisite: EDN 200. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships. Students will participate in three hours of field study and reflective seminar activities per week.

EDN 203. Psychological Foundations of Teaching (3) A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

EDN 205-206. Seminar in Education (1-1) Prerequisite: Permission of instructor. Required of all North Carolina Teaching Fellows during sophomore year. Open to others if space is available. An examination of the diverse roles of the professional employed within the organization of public schools in the State of North Carolina, including demands and expectations of teaching at various grade levels K-12. Topics include a review of the academic, social, personal, and interpersonal skills required of successful professionals. Current issues and future trends in the field are examined. Activities include required field experiences, lectures, discussions, and reading of selected educational literature.

EDN 211. Principles of Leadership (3) This course will provide an introduction to leadership. Students will develop an understanding of the leadership theories, styles of leadership, and strategies for successful leadership. They will learn skills to enhance their leadership effectiveness in a variety of settings and will develop insights about themselves and others.

EDN 260. Introduction to Exceptional Children (3) Survey of major categories of exceptionalities including giftedness, mental retardation, hearing impairments, visual impairments, learning disabilities, communication disorders, behavioral/emotional handicaps, and physical handicaps. Includes study of definitions, characteristics, etiology, psychosocial implications, and educational interventions for each exceptionality. Field-based activities required.

EDN 301. Instructional Design and Evaluation (3) Prerequisites or corequisites: EDN 200, EDN 203, and admission to the Watson School of Education. Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive, and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

EDN 303. Instructional Technology (3) Prerequisite: EDN 301. Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications. Three lecture and two laboratory hours each week.

EDN 310. School-Community Relations (3) Methods of improving school-community relations.

EDN 318. Middle School Programs and Practices (3) Overview of the conceptual and historic development of programs for students in grades six through nine. Comparison of varied curricular, instructional, and organizational aspects of the middle school movement. Major emphasis on exploring the educational implications of the developmental characteristics of early adolescent learners. Varied approaches to teaming, classroom management and mainstreaming will be investigated. Work will include observations in a variety of settings.

EDN 319. Meeting Needs of Special Students in Elementary Schools (3) Prerequisite: Admission to the Watson School of Education. This course will focus on strategies for meeting needs of individuals in elementary school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of children with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

EDN 320. Meeting Needs of Special Students in Middle and High Schools (3) Prerequisite: Admission to the Watson School of Education. This course will focus on strategies for meeting special needs of individuals in middle grades and high school classrooms. Students will study alternative methods for dealing with student differences which have an impact on academic and social behaviors. Characteristics of adolescents with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

EDN 322. The Teaching of Mathematics, (K-6) (3) Prerequisites: EDN 301 and six semester hours of appropriate mathematics. Focus on the curriculum, materials, and methods appropriate for the teaching of mathematics for the kindergarten through sixth grade level. A field-based activity is required.

EDN 323. Teaching Mathematics in the Middle Grades, (6-9) (3) Prerequisites: EDN 301 and six hours of mathematics. Focus on the curriculum, materials and methods appropriate for the teaching of mathematics at middle grade levels. A field-based activity is required.

EDN 324. Diagnostic Teaching of Mathematics, (6-9) (3) Prerequisite: EDN 323. Understanding of psychological and environmental factors that affect learning of school mathematics. Focus on methods and materials appropriate to diagnosis and remediation of mathematics difficulties common at the six through nine level. Awareness of strategies effective for enhancing self-confidence in mathematics learning. A field-based activity is required.

EDN 334. Social Studies Curriculum and Instruction, (K-6) (3) Prerequisites: EDN 301 and six hours of social studies content. An overview of the goals of social studies education and how this affects various patterns of organizing curricular content. The implications of learner developmental characteristics for selecting approaches to instruction from history as well as the social and behavioral sciences will be explored. Emphasis on selection and preparation of appropriate materials including the strategies of inquiry, critical thinking, mapping and graphing, simulation, and problem solution. A field-based activity is required.

EDN 335. Social Studies Education in the Middle Grades (3) Prerequisite: EDN 301 and six hours of social studies content. Examines the specific ways in which social studies curriculum can be organized to meet the learning needs of middle grades students. Emphasis on selection and preparation of appropriate materials, identification of instructional procedures, data-based decision making and the relevance of social inquiry to the real world. Work will include a field experience and preparation of an in-depth unit of study suitable for use at this level.

EDN 336. The Teaching of Science and Health, (K-6) (3) Prerequisites: EDN 301 and two science courses. Methods of teaching the biological, earth and physical sciences and health. Applications of the sciences to classroom experimentation and investigation. Examination of contemporary curricula used at the elementary school level. Field experiences required.

EDN 337. Inquiry—The Method of Science (3) Prerequisite: A course in science methods or the completion of 15 hours toward a concentration or major in science or permission of instructor. Assumes initial level competency in curriculum and methods of science. Focuses on conceptualization of and rationale for using inquiry method of teaching science. Provides opportunities to acquire and practice skills needed to utilize method and to guide scientific investigation at K-12 levels.

EDN 338. The Teaching of Science, (6-9) (3) Prerequisite: Completion of natural science basic studies and EDN 301. Survey of curriculum and methods for teaching science in grades 6-9. Focus on processes of scientific inquiry, on topics that integrate learnings across science disciplines, and on the social implications of science and technology. Field experience required.

EDN 340. Reading Foundations, (K-6) (3) Prerequisite: EDN 301. Emphasis on linguistics and psychological bases of the reading process, stages in the development of reading ability, and sequences of skill acquisition. Students will study models of reading instruction for language and literacy learning, the role of the classroom teacher of reading, and forces influencing that role. Extensive field experiences required.

EDN 344. Literature in the Elementary School, (K-6) (3) Prerequisite: EDN 340. The selection and evaluation of literature for elementary school children, including books and other media. Includes exploration of multi-cultural themes and traditions through literature, and strategies for integrating literature, music, and movement into the elementary curriculum.

EDN 348. The Teaching of Communication Arts, (K-6) (3) Prerequisite: EDN 301 and 340. Study of various approaches to school language instruction. Examination of strategies and methods for promoting growth in language learning in elementary classrooms with emphasis on use of drama and theater activities to enhance learning. Includes extensive opportunities to assess, teach, and evaluate all areas of children's language and reading development in public school classrooms. Field experience required.

EDN 352. Developing Reading Competence in the Middle Grades, (6-9) (3) Prerequisite: Admission to the Watson School of Education. Develops understanding of reading processes in the broad context of communication. Presents strategies for fostering and evaluating interest, fluency, and skill in reading, both in developmental reading classes and in content subjects. Topics include organizational and instructional strategies for the development of reading ability, techniques for motivating and guiding readers, and strategies for study and comprehension which support learning in all areas of the curriculum. Field experience required.

EDN 355. Language Arts Methods for the Middle Grades, (6-9) (3) Prerequisites: EDN 301 and 352. Presents curriculum and methods for developing linguistic and communicative competence in language arts classes in the middle school. Develops understanding of communication processes (listening, speaking, writing, viewing, etc.), dialects, and language systems as influences in teacher decision-making. Focus on strategies and plans for facilitating and evaluating student oral and written language performance. Field experience required.

EDN 356. Reading in the Secondary School (3) Prerequisite: EDN 301. Required course in the teaching of reading for secondary majors. Basic instructional reading strategies are developed, with emphasis on introducing assignments, improving study skills, and fostering critical thinking. Students identify and learn to teach reading skills specific to varying content areas. Adjusting instruction to students' reading capabilities is stressed.

EDN 364. Mental Retardation in School and Society (3) Examination of the field of mental retardation from an developmental perspective. Study of etiology, definitions, characteristics, and historical and current approaches to treatment of persons with mental retardation in a variety of settings and across the life span. Includes study of all levels of mental retardation. Field experiences required.

EDN 366. Learning Disabled Children and Adolescents (3) Examination of the field of learning disabilities. Emphasis on the concept of learning disabilities, etiology, diagnosis, characteristics, teaching strategies, theory, historical influences, and current trends. Field-based activities required.

EDN 367. Behavior Management Techniques (3) Prerequisite: EDN 301 or consent of instructor. Designed to develop an understanding of the principles of behavior and their application in planning and implementing various behavior management strategies. Focus will be on observation and measurement of social behavior management techniques. Field experiences required.

EDN 368. Diagnostic Techniques in Special Education (3) Prerequisites: EDN 301 and one of the following: EDN 260, 364, 366 or 370. Examination of concepts and fundamentals of educational assessment. Includes examination of formal and informal techniques appropriate for exceptional students. Includes assessment of intellectual functioning, academic problems, spoken language, learning skills, social-emotional development, early childhood skills, and vocational skills. Field experiences required.

EDN 369. Prescription Development in Special Education (3) Prerequisites: EDN 301 and one of the following: EDN 260, 364, 366 or 370. Development of skill in planning educational programs for exceptional children. Includes writing instructional objectives, selecting appropriate materials and techniques, writing lesson plans, and formulating individualized educational programs. Field experiences required.

EDN 370. Behaviorally Disordered Children and Youth (3) Prerequisites: EDN 301 or consent of the instructor. Designed to examine the wide and complex variety of learners labeled as "behaviorally disordered" or "emotionally disturbed." Topics related to historical, theoretical, etiological, developmental, and symptomological issues plus diagnosis, identification and service delivery models will be introduced. Program and parent involvement models and current trends and issues will be reviewed. Field experiences required.

EDN 371. Programming and Interventions for Behaviorally Disordered Students (3) Prerequisites: EDN 367 and 370. Examination of problems, issues and practices in developing programs for and educating students with behavior disorders. Emphasis on academic and social needs, major interventions, family involvement, scheduling issues, applied behavior analysis, and systematic/directive teaching of new behaviors. Legal considerations, consultation strategies, and curriculum issues will be reviewed. Field experiences required.

EDN 372. Programming and Interventions for Learning Disabled Students (3) Prerequisite: EDN 366. Study of the educational implications of LD student characteristics. Emphasis will be on needs of LD individuals relevant for instruction; developmental, cognitive, medical, behavioral, and cognitive developmental approaches; programming and interventions for grades K-12; remediation and compensation strategies. Field-based activities required.

EDN 373. Programming and Interventions for Mentally Handicapped Students (3) Study of intervention strategies for persons with mental retardation. Emphasis will be on programming for persons with mental retardation in community settings including day treatment programs as well as school settings. Field experiences required.

EDN 374. Special Education Curriculum and Instruction (3) To be taken the semester prior to EDN 410 and EDN 411. Study of the curriculum areas and instructional techniques utilized in educational settings for learning disabled, mentally retarded, and behaviorally/emotionally handicapped students. Emphasis on curriculum development processes, design and lesson and unit plans, selections of materials, identification of instructional procedures, and data-based decision making. Field experiences required.

EDN 380. Child Observation and Assessment (3) Prerequisite: Admission to Watson School of Education. Designed to develop a broad set of child and family observation skills and ability to conduct and interpret variety of means of child assessment, both formal and informal. Methods of assessment will include systematic observations, use of screening instruments, interview techniques, rating scales, portfolios and anecdotal records. Includes knowledge of assessment with culturally diverse populations and children with special needs. Field experiences required.

EDN 382. Literacy Development in the Early Years (2) Prerequisite: Admission to Watson School of Education. Designed to inform students of the theory and research that has influenced the development of principles and strategies for promoting emergent literacy. Developmentally appropriate literacy activities will be explored along with ways to use individualized assessment to gauge children's current abilities and to use and build upon what children bring to oral language, reading, and writing. The roles of supportive adults, print-rich environments and principles of multicultural learning will be investigated. Field experiences required.

EDN 383. Conceptual Understandings of the Physical World (2) Prerequisite: Admission to Watson School of Education. Designed to acquaint B-K teachers with the curriculum, materials and methods used to teach basic concepts in mathematics and science to young children. Emphasis will be given to developmentally appropriate materials and experiences to promote power of observation and to encourage emergent conceptual abilities and cognitive processing skills. Field experiences required.

EDN 385. A,B,C Field Experiences (1) 3 Required The field experiences requires the student to participate in activities in a different setting each of three semesters. The field experiences will be taken concurrently with specified coursework and activities will vary accordingly.

EDN 403. Theory and Practice in Teaching Secondary English, (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 404. Theory and Practice in Teaching Secondary Mathematics, (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 405. Theory and Practice in Teaching Secondary Social Studies, (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 406. Theory and Practice in Teaching Secondary Science, (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 407. Theory and Practice in Teaching Foreign Languages, (K-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 408. Instructional Seminar (3) Corequisite: EDN 409 except for physical education and music education majors. Prerequisites: All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.50 GPA on all work attempted at UNCW. Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to professional documentation of reflective growth. Course activities include field experience assignments, microteaching, and production of individual lesson plans and unit lesson plans.

EDN 409. Practicum (12) Corequisite: EDN 408 except for physical education and music education majors. Prerequisites: As specified for EDN 408. Students will be assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical education (and health), physics, social studies, and Spanish.

EDN 410. Seminar in Education (K-6, 6-9, special education) (3) Corequisite: EDN 411. Prerequisites: All courses in the professional core and specialty areas appropriate for the concentration for K-6, 6-9, and special education majors and a 2.50 GPA on all work attempted at UNCW. Designed as a culmination of professional study and an initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.

EDN 411. Practicum, (K-6, 6-9, special education) (12) Corequisite: EDN 410. Prerequisites: As specified for EDN 410. A full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of classroom instruction. Practica are offered in the areas of elementary education (K-6), middle grades education (6-9), and special education.

EDN 412. Extended Practicum (3-6) Prerequisite: Appropriate curriculum and instruction courses and permission of the chairperson of the Department of Curricular Studies. A part-time practicum experience within the appropriate area of certification. Students will engage in supervised instructional activities that extend their understandings and teaching performance to an additional area of preparation. Areas of specialization include elementary, middle grades, special education, and secondary education.

EDN 415. Education Media Design and Production (3) This course will provide students with an understanding of the design principles underlying the production of instructional materials and with the necessary production techniques. Emphasis will be placed upon the production of materials and their effective integration into an instructional unit. Students will design, produce, and evaluate a number of projects using techniques common to media programs in public schools and the authors who have made contributions to this field.

EDN 416. Instructional Applications of Computers (3) Prerequisites: EDN 301 and 302. Designed to develop skills in using computers as tools in instruction and to make judgments about instructional materials designed for use on computers. Topics include: (1) introduction to computing systems, (b) introduction to microcomputer programming languages, (c) authoring languages, (d) judging instructional "software", (e) using computers to manage classroom records, (f) using computers in instruction, and (g) teleprocessing and automated data bases. Activities will include group lectures, demonstrations, and discussions, projects in software designed for classroom management and instruction. The major focus is on microcomputer application.

EDN 430. Preschool Curriculum (3) Prerequisite: EDN 301. Provides students the understandings, skills, and abilities necessary to implement an effective preschool program. Emphasis placed on knowledge of the curriculum content and the effective combinations and correlations of these contents for a preschool program. Activities include lectures, discussions, demonstration, individual, and group projects.

EDN 431. Teaching in the Primary Grades (3) Designed to develop a broad overall view of teaching in the primary grades. The course includes examination of the history, current "state of the art" and possible future of primary education. Focus is on the application of knowledge of child development and learning theories in organizing and implementing the primary school curriculum in an integrated and interdisciplinary fashion. Study of classroom organization and management for effective teaching in the primary grades will be undertaken.

EDN 432. Interdisciplinary Curriculum and Instruction (3) Examines principles of interdisciplinary curriculum and instruction and explores its appropriateness for middle grades and intermediate students. Alternative approaches to designing interdisciplinary curriculum and instruction such as thematic units and exploratory and interest-based study will be examined. Emphasizes the possible linkages among the disciplines, focusing on thinking and communication skills, concepts and problem solving learning, as well as values clarification/resolution.

EDN 446. Black Literature and Resources for Teachers (3) A survey of Black literature, including the examination of materials published for classroom use in the public schools and the authors who have made contributions to the field. Three hours each week.

EDN 450. Infant and Toddler Program Models (3) Prerequisite: Admission to Watson School of Education. Designed to inform students of the goals, philosophies and program characteristics of exemplary programs in very early childhood education (birth to age three). Developmentally appropriate settings and activities for infants and toddlers will be studied, and ways of working with parents will be explored. Optimal caregiving strategies and skills needed for providing a quality program for infants and toddlers will be emphasized. Field experiences required.

EDN 451. Adaptive Practices in Early Childhood (3) Prerequisite: Admission to Watson School of Education. Designed to develop both planning and intervention skills for working with young children with special needs and their families. Students will plan educational programs which include use of specific intervention techniques and practices from recognized early intervention programs for children showing a typical development. Attention will be given to adopting strategies to include exceptional children in programs for typically developing young children. Field experiences required.

EDN 460. History and Administration of Preschool Education (3) Prerequisites: Admission to Watson School of Education, and completion of all specialty area coursework. A 2.50 GPA on all work at UNCW is required. Corequisite: EDN 465. Course will present history of education for young children from cross-cultural, national and state perspectives. The current and anticipated future political, social and economic contexts for early childhood education (B-K) in the United States will be examined, along with public policy questions and implications of various policy decisions. The administration of early childhood education programs will be studied, including planning, scheduling, enrollment, licensure, and evaluation of programs operating in various settings. Relevant federal and state legislation, policies, and regulations will be examined. Possibilities for integrating child and parent education will also be explored.

EDN 465. Practicum (12) Prerequisites: As specified for EDN 460. Corequisite: EDN 460. A full-time practicum experience in an early childhood setting. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of the program.

EDN 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairman.

EDN 495. Selected Topics in Education (1-3) Prerequisite: Junior or senior standing. Selected topics in education of varying duration and credit. May be repeated for a maximum of 6 semester hours.

EDN 499. Honors Work in Education (2-3) Prerequisite: Senior standing. Independent study for honors students.

English Course Descriptions

(Department of English)

ENG 101. Freshman Composition I (3) An introduction to college-level composition. Extensive practice in the techniques of invention, development, organization, editing, and revision, with emphasis on narrative and expository forms appropriate to academic writing.

ENG 102. Freshman Composition II (3) Prerequisite: ENG 101 or evidence of special competence on the English Placement Test. College-level composition. Continued practice in the composing process, with emphasis on argumentation and research. Frequent projects in gathering, analyzing, and documenting information from outside sources.

ENG 105. English as a Second Language (3) Prerequisite: Consent of instructor (based on language proficiency test score). Development of English language proficiency of non-native speakers attending the university. Extensive exposure to reading, writing, speaking, and listening activities.

ENG 110. Introduction to Literature (3) An introductory course in reading and responding to literature in a variety of genres, such as poetry, fiction, drama, and literary non-fiction. Individual sections may be organized around genres, a series of themes, or a particular theme, as indicated by subtitles published in each course schedule. May not be repeated under different subtitles.

ENG 201. Intermediate College Writing (3) Prerequisite: ENG 102, or consent of instructor. Instruction in composing strategies to strengthen organizational, syntactical, and editing skills. Written projects relate to the academic interests of each student.

ENG 202. Introduction to Journalism (3) Prerequisite: ENG 102, or consent of instructor. Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.

ENG 206. Foundations of Creative Writing (3) Prerequisite: ENG 102, or consent of instructor. Instruction in creative writing aimed at developing the creative process and ways to teach that process. Includes writing exercises in poetry and fiction. Intended for majors electing the Professional and Creative Writing and Teacher Licensure options.

ENG 207. Fiction Writing (3) Prerequisite: ENG 102, or consent of instructor. Instruction in writing fiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the fiction of relevant professional authors.

ENG 208. Poetry Writing (3) Prerequisite: ENG 102, or consent of instructor. Instruction in writing poetry, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the poetry of relevant professional poets.

ENG 209. (CLA 209) Classical Literature in Translation: Topics (3) Prerequisite or corequisite: ENG 102, or consent of instructor. Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.

ENG 210. (CLA 210) Mythology (3) Prerequisite or corequisite: ENG 102, or consent of instructor. The major mythological systems of Western society - Greek, Roman, and Norse. Mythology of other parts of the world, especially the Ancient Middle East, and related material are also considered.

ENG 211, 212. British Literature to 1800, British Literature since 1800 (3,3) Prerequisite or corequisite: ENG 102, or consent of instructor. 211: A survey of major British authors from the Anglo-Saxon period through the eighteenth century; 212: A survey of major British authors of the nineteenth and twentieth centuries. Both courses examine representative selections from an analytical and historical perspective.

ENG 219. General Fiction (3) Prerequisite or corequisite: ENG 102, or consent of instructor. Extensive readings and discussions of fiction with an emphasis on both content and style.

ENG 223, 224. American Literature to 1870, American Literature since 1870 (3,3) Prerequisite or corequisite: ENG 102, or consent of instructor. 223: The literature of colonial and early America and of the Romantic era. 224: The literature of American Realism and the twentieth century.

ENG 225, 226. World Literature to 1600, World Literature since 1600 (3,3) Prerequisite or corequisite : ENG 102, or consent of instructor. Representative works of world literature (excluding British and American authors), including both Western and non-Western works. 225: Work from ancient times to about 1600; 226: 1600 to the present.

ENG 230. Women in Literature (3) Prerequisite or corequisite: ENG 102, or consent of instructor. Twentieth-century literature by and about women. Focuses on changes in images and roles of women. Includes fiction, poetry, and essays.

ENG 232. African American Literature (3) Prerequisite or corequisite: ENG 102 or consent of instructor. Survey of the African American literary tradition, from the eighteenth century to the present and including such writers as Douglass, Chesnutt, Hurston, Baldwin, Walker, and Morrison.

ENG 233. The Bible as Literature (3) Prerequisite or corequisite: ENG 102, or consent of instructor. Study of types of Biblical literature, including narratives from the Old and New Testaments, sermons, parables, and poetry. Attention is given to the Bible as literature in itself and as a source of symbols and allusions in Western culture.

ENG 250. Introduction to Folklore (3) Prerequisite or corequisite: ENG 102, or consent of instructor. A definition and survey of the most common forms of folklore, including folk speech, narratives, music, art, customs, and beliefs, with an emphasis on the relevance of these materials to the study of literature, history, education, art, the social sciences, and other disciplines.

ENG 290. Themes in Literature (3) Prerequisite or corequisite: ENG 102, or consent of instructor. An interdisciplinary study of a significant theme, such as war and peace, justice, love, youth and age, focusing primarily on literary works but also drawing on sources from other fields, including art, music, and history. May be repeated once under a different subtitle.

ENG 300. Introduction to Technical Writing (3) Prerequisite: ENG 102, or consent of instructor. Types of professional writing, such as resumés, proposals, instructions, and feasibility studies. Emphasis on collaboration and oral presentations. Attention paid to style, form, and organization. Adaptable to student's major field of study.

ENG 301. Advanced Technical Writing (3) Prerequisite: ENG 300, or consent of instructor. Theory and application of technical writing, with emphasis on document design and usability, proposals, professional papers, research methodology, and oral presentation of technical reports. Adaptable to student's major field of study.

ENG 302. Journalism Workshop (3) Prerequisite: ENG 202, or consent of instructor. Continuation of ENG 202. Focus is on gathering news from various community and campus sources and writing in news style under deadline pressure. Also included: some attention to feature and editorial writing.

ENG 304. Writing for Teachers (3) Prerequisite: ENG 102 and junior standing. Instruction in writing for teachers of all school subjects (K-12). Forms of exposition and persuasion appropriate to teachers; consideration given to learning and composition theory, the composing process, theories of rhetoric, evaluation, writing development. This course is designed for prospective teachers.

ENG 306. Essay Writing (3) Prerequisite: ENG 102. Instruction in all major essay modes: narration, description, exposition, critical analysis, and persuasion. Emphasis on mastering prewriting, writing, and revision strategies; attention to developing individual style. Appropriate for students in all majors.

ENG 307. Advanced Fiction Writing (3) Prerequisite: ENG 207, or consent of instructor. Advanced techniques of writing fiction and development of the creative process. Including: writing exercises, editing, and workshop discussion, and preparation of final manuscripts for publication. May be repeated once for credit.

ENG 308. Advanced Poetry Writing (3) Prerequisite: ENG 208, or consent of instructor. Advanced techniques of writing poetry, and development of the creative process. Including: writing exercises, editing, and workshop discussion, and preparation of final manuscripts for publication. May be repeated once for credit.

ENG 310. Theory and Practice of Editing (3) Prerequisite: ENG 102. An advanced writing course, focusing on revising, editing, and copy editing. Techniques and strategies for getting prose ready for publication will be explored. Extensive practice in editing professional and student samples.

ENG 311. Professional Magazine Writing (3) Prerequisite: Three hours in writing courses beyond ENG 102, or consent of instructor. Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

ENG 315. Special Topics in Writing (3) Prerequisite: Three hours in writing courses beyond ENG 102, or consent of instructor. A focused study of a particular subject in composition/rhetoric. Topics may vary from semester to semester and may include classical or medieval rhetoric; the study of style; the writing of grants; the rhetoric of visualization, art, music, or photography; the analysis of propaganda and advertisements; or theories of writing. Content varies from semester to semester. May be repeated once under a different subtitle.

ENG 316. (THR 316) Playwriting I (3) Prerequisite: Three hours in writing courses beyond ENG 102, or consent of instructor. Analysis of one-act plays and their construction; the writing of an original one-act play required.

ENG 318. Scriptwriting for Television and Film (3) Prerequisite: Three hours in writing courses beyond ENG 102, or consent of instructor. Theory and practice of writing screenplays and documentary scripts for television and film. Includes writing original scripts.

ENG 320. Introduction to Linguistics (3) Prerequisite: ENG 102 and junior standing, or consent of instructor. Important topics in the study of language, including phonological, syntactic, and semantic systems; language change; language acquisition by children; theories of language origin; and animal "language."

ENG 321. Structure of the English Language (3) Prerequisite: ENG 102 and junior standing, or consent of instructor. Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

ENG 322. General Semantics (3) Prerequisite: ENG 102 and junior standing, or consent of instructor. The study of language as it affects our thinking and behavior; language and prejudice; the language of advertising, propaganda, science, and poetry; slanting, euphemisms, jargon, connotations, and abstraction.

ENG 323. History of the English Language (3) Prerequisite: ENG 102 and junior standing, or consent of instructor. The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American dialects.

ENG 332. Shakespeare's Early Plays and Poems (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of eight to ten plays written before 1600 and selected sonnets. Included are tragedies, comedies, and histories.

ENG 333. Shakespeare's Later Plays (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A study of eight to ten plays written after 1600. Included are tragedies, comedies, and histories.

ENG 335. Restoration and Eighteenth-Century Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major writers and types of literature between 1660 and 1800. May include works by Dryden, Swift, and Pope, as well as examples of the periodical essay, early novel, and drama.

ENG 336. British Romanticism (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Selected poetry and prose of the Romantic period, 1783-1837. Emphasis on developments in poetry, the role of the artist, and Romantic critical theory. Includes such writers as Blake, Byron, Wordsworth, Coleridge, Keats, Shelley, Austen, and Scott.

ENG 337. Victorian Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. English literature from 1832 to 1901. Cultural upheavals as reflected in poetry and prose by such authors as Tennyson, Browning, Arnold, Pater and the Pre-Raphaelites, Dickens, George Eliot, and Thackeray.

ENG 338. British Literature 1900-1950 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of a broad range of writings from the first half of the twentieth century. Includes works by British authors such as Conrad, Lawrence, Joyce, Woolf, Yeats, Shaw, and Auden.

ENG 340. Multiculturalism and Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

ENG 341. Postcolonial and Third World Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literature of postcolonial and Third World regions, with emphasis on Africa and its diaspora, Latin America, and Asia. Introduction to postcolonial theories.

ENG 345. (CLA 345) Topics in Mythology (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. The study of a selected theme in world mythologies. Content varies from semester to semester. May be repeated once under a different subtitle.

ENG 350. American Romanticism (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major writers in the American Renaissance, from 1820 to the Civil War, such as Whitman, Emerson, Thoreau, Poe, Hawthorne, and Melville.

ENG 351. American Realism (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major writers in the period of emerging industrialism and urbanization after the Civil War, such as Dickinson, Twain, James, Crane, and Dreiser.

ENG 352. American Literature 1900-1950 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of a broad range of writings from the first half of the twentieth century. Includes works by American authors such as Eliot, Pound, Stevens, O'Neill, Hemingway, Fitzgerald, Porter, and Faulkner.

ENG 353. Southern American Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of nineteenth- and twentieth-century Southern literature, ranging from southwestern humor sketches written before the Civil War to recent literature by such authors as Welty, O'Connor, Faulkner, Ellison, Percy, and Williams.

ENG 354. North Carolina Writers (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Short stories, novels, and poetry by North Carolina writers. Several works reflect upon the life and time of the state. Includes such writers as Charles Chesnutt, O. Henry, Thomas Wolfe, Randall Jarrell, and Gail Godwin.

ENG 355. Ethnic Literature of the United States (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literature of various American ethnic groups, with emphasis on African American, Jewish American, Native American, Hispanic American, and Asian American literature.

ENG 356. American Indian Literatures (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of past and present literatures of various North American Indians, including oral traditions, tales, poetry, and fiction.

ENG 361. Studies in the Short Story (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Types of the short story, with emphasis on the features and development of the genre. Works from a variety of periods, authors, and traditions. May be repeated once under a different subtitle.

ENG 362. Studies in the Novel (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Types of the novel, with emphasis on the features and development of the genre. Works from a variety of periods, authors, and traditions. May be repeated once under a different subtitle.

ENG 364. Studies in Poetry (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major types of poetry, with emphasis on their form, style, and interpretation. Poems from a variety of periods, authors, and traditions. May be repeated once under a different subtitle.

ENG 365. Studies in Drama (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism. May be repeated once under a different subtitle.

ENG 370. European Literature to 1900 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A study of a period, movement, theme, or genre in a broad range of writings by Continental authors from 1650 to 1900.

ENG 371. European Literature Since 1900 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A study of a period, movement, theme, or genre in a broad range of writings by Continental authors from 1900 to the present.

ENG 372. Contemporary Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literature since 1950. Includes such movements and themes as confessional and beat poetry, theater of the absurd, alienation, pop culture, and experimentation.

ENG 373. The Female Tradition in Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literary works by nineteenth- and twentieth-century women. Examines evolving women's literary criticism and distinctly female uses of language in literature.

ENG 374. American and British Poetry 1900-1945 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Pre-World War II poets such as Hopkins, Yeats, Pound, Eliot, Frost, and Stevens. Trends in modern poetry are considered.

ENG 375. American and British Poetry since 1945 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Post-World War II poets such as Roethke, Lowell, Giovanni, Plath, Hughes, and Hill. Trends in postmodern poetry are considered.

ENG 380. Literature for Children (3) Prerequisite: ENG 102 and six additional hours of English courses at the 200 level or above, or consent of instructor. Exploration of children's books in several genres. Intended for present and future parents and teachers of grades 4-9. Although this course is designed primarily for prospective teachers, all majors are welcome.

ENG 381. Literature for Young Adults (3) Prerequisite: ENG 102 and six additional hours of English courses at the 200 level or above, or consent of instructor. An exploration of various genres appropriate for high school students. Intended for present and future parents and teachers of adolescents. Although this course is designed primarily for prospective teachers, all majors are welcome.

ENG 382. Varieties of Literary Response (3) Prerequisite: ENG 102 and six additional hours of English courses at the 200 level or above, or consent cf instructor. A range of written and oral responses to poetry, fiction, and drama. Student participation in such approaches as role-playing, collaborative problem-solving, dramatization, visualization, and parody. This course is designed for prospective teachers.

ENG 383. Classics Reconsidered (3) Prerequisite: Six hours of literature courses at the 200 level or above, or consent of instructor. Study of classic long works of poetry, fiction, and drama commonly taught in high school English classes. May include such works as *Beowulf, The Canterbury Tales, Macbeth, The Rime of the Ancient Mariner, Silas Marner.* Especially recommended for prospective teachers.

ENG 384. The Literature of Popular Culture (3) Prerequisite: Six hours of English courses at the 200 level or above, or consent of instructor. Critical study of popular literature as it reflects the meanings and values that shape the perception of reality for the majority of people within a culture. Includes texts in both print and film from various time periods and countries.

ENG 390. Selected Topics in Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A selected literary theme, movement, period, influence, or genre. May be repeated once under a different subtitle.

ENG 420. History of Literary Criticism and Theory (3) Prerequisite: Junior or senior standing and three hours of literature at the 300-400 level, or consent of instructor. A study of the major critical and theoretical statements that have been influential in how we think about literary texts, beginning with Plato and proceeding to major statements of the twentieth century.

ENG 425. Critical Theory and Practice (3) Prerequisite: Junior or senior standing and three hours of literature at the 300-400 level, or consent of instructor. An introduction to representative twentieth-century literary theories and practice in applying them to various texts.

ENG 430. (504) The Age of Chaucer (3) Prerequisite: Nine hours of literature courses, including ENG 211 and at least three hours at the 300-400 level, or consent of instructor. A survey of works written in medieval England. Included are *The Canterbury Tales,* selections from Chaucer's other works, and representative works in such genres as chronicle, biography, epic, romance, dream vision, and drama.

ENG 431. (505) The Age of Elizabeth (3) Prerequisite: Nine hours of literature courses, including ENG 211 and at least three hours at the 300-400 level, or consent of instructor. English literature of the sixteenth and early seventeenth centuries. Works studied include poetry by Spenser and Shakespeare, plays by Marlowe and Jonson, and prose by More and Sidney.

ENG 432. (506) The Age of Milton (3) Prerequisite: Nine hours of literature courses, including ENG 211 and at least three hours at the 300-400 level, or consent of instructor. Emphasis on the works of Milton. Also includes works by Donne, Herbert, and Bacon.

ENG 445. (THR 445) Playwriting II (3) Prerequisite: ENG 316 (THR 316), or consent of instructor. Advanced techniques of playwriting with an emphasis on full-length plays; the writing of an original full-length play.

ENG 462. (507) Studies in the Novella (3) Prerequisite: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor. Types of novella or short novel, with emphasis on its distinctive features and development as a genre. Works from a variety of periods, authors, and traditions.

ENG 463. (508) Studies in Nonfiction (3) Prerequisite: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor. Types of nonfiction prose, including biography, autobiography, memoirs, journals, and various essay forms. Works from a variety of periods, authors, and traditions.

ENG 490. (509) Special Topics in Literature (3) Prerequisite: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor. The study of a selected theme, movement, period, influence, or genre. Content varies from semester to semester. May be repeated once under a different subtitle.

ENG 491. Directed Individual Study (1-3) Prerequisite: Nine hours of literature or writing courses (depending on project focus), at least three of which are at the 300-400 level; overall GPA of at least 2.00; junior or senior standing; and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalog.

ENG 495. Senior Seminar in Literature/Language (3) Prerequisite: Senior standing, plus nine hours of ENG courses in literature or language, including at least three hours at the 300 level or above, or consent of instructor. Intensive study of a topic in literature or language. Emphasis on individualized work, which may include reports, a longer research project, and appropriate bibliographic assignments. Required of English majors in the Literature and Language Option; fulfills seminar requirements for majors in the General and Teacher Licensure Options. May be repeated once under a different subtitle.

ENG 496. Senior Seminar in Writing (3) Prerequisite: Senior standing, plus nine hours of writing courses beyond ENG 102, including at least three hours at the 300 level or above, or consent of instructor. Workshop leading to production of a senior manuscript in prose or poetry and public reading of selected work. Required of English majors in the Professional and Creative Writing Option; fulfills seminar requirement for majors in General and Teacher Licensure Options. May be repeated once under a different subtitle.

ENG 498. Internship in Writing (3-6) Prerequisite: ENG 102, and nine additional hours of writing courses, of which at least three hours are at the 300-400 level. Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.

ENG 499. Honors Work in English (2-3) Prerequisite: Eligibility for honors program and nine hours of literature or writing courses (depending on project focus), at least three hours at the 300-400 level. Independent study for honor students.

For 292 and 492, see explanation on p. 102, 158.

Environmental Studies Course Descriptions

(Department of Earth Sciences)

EVS 120. (GLY 120) Environmental Geology (3) Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities.

EVS 195. Introduction to Environmental Studies (3) Interdisciplinary introduction to the scope and application of environmental studies. Emphasis will be placed on an integrated analysis of environmental principles and discussions centering on current environmental problems.

EVS 316. (SOC 316) Human Ecology (3) Prerequisite: SOC 105 and three additional hours in sociology above the introductory level. A theory of community structure based on social evolution as shown through the referential concepts of population, organization, environment and technology. An analysis of the spatial, temporal, functional and related configuration of human communities.

EVS 325. (ECN 325) Environmental Economics (3) Prerequisite: ECN 125 or 221 and consent of instructor. Application of economic concepts to environmental problems; common property resources, public goods, and technological externalities as determinants of market failure; institutional alternative involving economic incentives.

EVS 370. (PSY 370) Environmental Psychology (3) Prerequisite: PSY 105. Interactions between the physical environment and behavior of the individual. Emphasis on perception of the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.

EVS 485. Special Topics in Advanced Environmental Science (1-6) Prerequisite: Junior or senior standing and EVS 195 or consent of instructor. Selected topics in environmental science not covered in detail in regular course offerings. May be repeated for a maximum of six semester hours.

EVS 490. Senior Project (1-6) Prerequisite: Senior standing and permission of instructor. A research project and seminar under the supervision of a committee of environmental studies faculty. The project should involve the investigation of a current problem in the Environmental Studies field, and the preparation of a written report on the findings.

EVS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

EVS 495. Seminar in Environmental Studies (3) Prerequisite: Junior standing in environmental planning and policies, and consent of instructor. Individual reports and group discussions of the results of student field, laboratory, or library research on selected topics in environmental planning and policies.

EVS 498. Internship in Environmental Studies (3) Prerequisite: Senior standing. Synthetic approach to the study of environmental science. Development of the "holistic" view of the environment, its interrelationship with science, technology, and society in a seminar format. Involves a work experience with an agency or organization in the area of environmental science.

EVS 499. Honors Work in Environmental Studies (2-3) Prerequisite: Senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, explanation on p. 102, 158.

Finance Course Descriptions

(Department of Economics and Finance)

FIN 235. Personal Finance (3) Study of individual and family financial decisions. Designed to prepare the student to exercise intelligent control over income, expenditures, borrowing, savings and investments. Recommended elective for non-business majors. (Not open to students who have earned credit for FIN 330.)

FIN 330. Principles of Investments (3) Prerequisite: ACG 201 and ECN 222. An introduction to alternative investments, with major emphasis on financial instruments. Practical descriptive material and relevant theoretical applications. Topics include stocks, bonds, and other financial alternatives.

FIN 331. Real Estate (3) Prerequisite: ACG 201 and ECN 222. Principles of property management and practices relating to appraisal, sales, ownership, control, financing, and transfer of real property.

FIN 332. Risk Management and Insurance (3) Prerequisite: ACG 201 and ECN 222. An introduction to the risk management function and to the basic methods used to handle risks facing the business enterprise, families and individuals. Emphasis is on the insurance method of handling risk with study of the concepts underlying insurance, the fundamentals of insurance contracts, and a broad selection of policy coverages in the property and liability, and life and health fields.

FIN 335. Business Finance (3) Prerequisite: ACG 203, PDS 217, and ECN 222. An introduction to the finance function of business enterprise and to the analytical techniques used in making investment and financing decisions.

FIN 336. Capital Budgeting Analysis (3) Prerequisite: FIN 335. The study of the theory and practice of capital expenditure management including investment decisions and their impact on cash flows, business firm valuation, and the capital asset pricing model. Use of cases and financial analysis.

FIN 410. Financial Statement Analysis (3) Prerequisite: FIN 335. An examination of the conceptual background and analytical tools necessary to understand and interpret financial statements. Students will learn how to access, manipulate, and analyze financial statement data from various databases.

FIN 430. Investment Management (3) Prerequisite: FIN 330 and 335. An analytical approach to the valuation of stocks, bonds and options and the placement of those securities in Markowitz-efficient portfolios. Technical and fundamental analysis, market efficiency and valuation methods are examined. Both application and theory are emphasized.

FIN 431. Real Estate Investment Analysis (3) Prerequisite: FIN 335. The decision making process in real estate investment analysis including risk and return, financing alternatives, tax implications, and pricing and development alternatives.

FIN 433 (ECN 433) Introduction to Speculative Markets (3) Prerequisite: ECN 324 and FIN 335 or permission of instructor. Elementary economics of financial futures and options markets. Mechanics of trading and coverage of existing regulations. Pricing and strategies in options and futures contracts in the markets for financial assets and commodities. Hedging, risk management and valuation.

FIN 436. Financial Management (3) Prerequisite: FIN 330 and 336. Financial analysis and decision making in the modern business organization. Theoretical foundations of financial decision making are emphasized, including both working capital and fixed capital requirements.

FIN 437. Commercial Bank Management (3) Prerequisite: ECN 324 and FIN 335. A case study course in the management of commercial banks. Major emphasis on defining the functional areas within the commercial bank system and the associated decision making process.

FIN 438. Commercial Lending and Credit Analysis (3) Prerequisite: FIN 335. An examination of the sources of commercial loans, financial statement analysis, working capital, the elements and purposes of commercial lending policies, the credit analysis decision, and follow-up procedures for commercial lending.

FIN 439. Multinational Financial Management (3) Prerequisite: FIN 335. An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

FIN 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

FIN 495. Senior Seminar in Finance (3) Prerequisite: FIN 436 and senior standing. An examination of current problems in finance. Course content will vary as new techniques are developed to respond to a dynamic financial environment.

FIN 498. Internship in Finance (1-3) Prerequisite: Senior status and consent of department chairperson. Involves the application of financial concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

FIN 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Fine Arts Course Descriptions

(Department of Fine Arts)

FNA 110. Introduction to the Arts (3) An inter-and multi-disciplinary introduction to the arts, aesthetic perception and response, and the relationship of the arts to individuals and society—past and present. Treats visual art, music, theatre, dance, film and architecture.

FNA 112. Introduction to Dance (3) Appreciation of dance as an art form. The study of dance as a reflection and expression of various cultures from pre-history to present. Includes exposure to contemporary concert dance through films and televised or live performance. Introductory experience in selected dance techniques. Two class hours and two laboratory hours each week.

FNA 134. (PED 134) Dance Techniques I (1) Basic dance techniques at a beginning level, including ballet, jazz, and modern dance. Three studio hours per week. Accumulative credit limited to four semester hours.

FNA 136. (PED 136) Movement Exploration (3) Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as materials for movement improvisation and composition. No dance training necessary.

FNA 234. (PED 234) Dance Techniques II (1) Prerequisite: FNA 134 or PED 134 or consent of instructor. Basic dance techniques at an intermediate level. Three studio hours per week. Accumulative credit limited to four semester hours.

French Course Descriptions

(Department of Foreign Languages and Literatures)

FRH 101-102. Introductory French (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken French; reading, writing, and basic conversation. Fall and spring.

FRH 105. French for Travelers (3) General interest course, but designed specifically for those planning to travel in a French-speaking country. Emphasis on practical communication, current vocabulary and colloquial expressions. Realia and audio-visual aids used extensively. Course may be structured to answer specific individual needs.

FRH 120. Fundamentals of French (3) Prerequisite: Appropriate department placement test score. A fast-paced approach to the achievement of a basic active command of the language. Aural-oral practice: intensive study of the fundamental structure of the language; reading, writing and basic conversation. For students with limited previous study of the language.

FRH 201-202. Intermediate French (3-3) Prerequisite: FRH 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

FRH 209. French Literature in Translation: Topics (3) Representative works from the literature of France and the French-speaking world. Readings and class discussions in English. May be repeated under a different subtitle.

FRH 301. Conversation (3) Prerequisite: FRH 202 or equivalent. Practice in the use of everyday French for enrichment of functional vocabulary and improved fluency. Extensive use of authentic materials; situational communicative exercises.

FRH 302-303. Grammar and Composition (3-3) Prerequisite: FRH 202 or equivalent. Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, including editing and rewriting.

FRH 306. Reading Strategies (3) Prerequisite: FRH 202 or equivalent. Strategies for improving reading skills and the interpretation of a wide range of texts from current advertisements, newspapers, and periodicals to traditional literary genres.

FRH 308. French Linguistics (3) Prerequisite: FRH 202 or equivalent. An introduction to the phonetics, phonology, morphology, and syntax of French; emphasis on the French sound system, pronunciation, and intonation.

FRH 311. French Civilization (3) Prerequisite: FRH 202 or equivalent. Geographical, historical, and cultural aspects of France from prehistoric times to the present; oral and written reports.

FRH 321, 322. Survey of French Literature (3,3) Prerequisite: FRH 202 or equivalent. Extensive readings covering the main currents of French literature; emphasis in classroom discussion on textual analysis and criticism; oral and written reports.

FRH 405. Advanced Conversation and Composition (3) Prerequisite: FRH 301 or equivalent. Emphasis on oral French, essay writing and translation.

FRH 411. Topics in French Studies (3) Prerequisite: FRH 322 or equivalent. Discussion and interpretation of significant topics of French culture through an interdisciplinary approach. Oral and written reports. May be repeated under a different subtitle.

FRH 412. The Francophone World (3) Prerequisite: FRH 322 or equivalent. Study of representative literary and non-literary texts, films and sound recordings from French-speaking cultures in North America, the Caribbean, Africa, Asia, and elsewhere. Oral and written reports.

FRH 420. Topics in French Literature (3) Prerequisite: FRH 322 or equivalent. The study of a selected literary theme, movement, period, influence, figure, or genre. Oral and written reports. May be repeated once under a different subtitle.

FRH 437. Masterpieces of French Poetry (3) Prerequisite: FRH 322 or equivalent. Reading, discussion and analysis of representative works of French Poetry. Oral and written reports.

FRH 438. Masterpieces of French Drama (3) Prerequisite: FRH 322 or equivalent. The theatre in France from the Renaissance to modern times. Representative texts; oral and written reports. Fall and spring.

FRH 439. Masterpieces of French Prose Fiction (3) Prerequisite: FRH 322 or equivalent. Representative works of imaginative French Prose from the 17th century to the present; oral and written reports.

FRH 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

FRH 495. Seminar in French Literature (1-3) Prerequisite: FRH 322 or equivalent. Intensive study of a selected topic in literature. Individualized research, which may include informal and formal presentations, reports, a substantial research project. May be repeated under a different subtitle.

FRH 498. Internship in French (3 or 6) Prerequisite: Junior standing and consent of instructor. A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills. A maximum of six credit hours may be applied to the degree in French.

FRH 499. Honors work in French (2-3) Prerequisite: Senior standing and eligibility for honors program. Independent study for honors students.

German Course Descriptions

(Department of Foreign Languages and Literatures)

GER 101-102. Introductory German (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of the basic patterns of spoken German; reading, writing and basic conversation.

GER 120. Fundamentals of German (3) Prerequisite: Appropriate department placement test score. A fast-paced approach to the achievement of a basic active command of the language. Aural-oral practice: intensive study of the fundamental structure of the language; reading, writing, and basic conversation. For students with limited previous study of the language.

GER 201-202. Intermediate German (3-3) Prerequisite: GER 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

GER 209. German Literature in Translation: Topics (3) Study of representative works from the literature of the German-speaking world. Readings and class discussions in English. May be repeated under a different subtitle.

GER 305. Conversation and Composition (3) Prerequisite: GER 202 or consent of instructor. Intensive training in spoken and written German.

GER 321, 322. Survey of German Literature (3,3) Prerequisite: GER 202 or consent of instructor. Extensive reading covering the main trends of German literature; emphasis in classroom discussion on textual analysis and criticism; oral and written reports. 321: Literature through Goethe. 322: Literature beginning with the Romantiker.

GER 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

GER 498. Internship in German (3) Prerequisite: Junior standing and consent of instructor. A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

Geography Course Descriptions

(Department of Earth Sciences)

GGY 130. Introduction to Physical Geography (4) Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

GGY 140. Introduction to Human Geography (3) Survey of the geography of human settlement patterns and activity throughout the world. Emphasis on relationships between physical environments and different facets of human culture, including population, resources, regional development, urban growth, and political, linguistic, and religious patterns.

GGY 180. World Geography I (3) Regional survey of historical, physical, economic, and cultural geography of Europe and the Americas. Emphasizes locational geography as the foundation for a clear world view and an understanding of global interdependence.

GGY 181. World Geography II (3) Regional survey of historical, physical, economic, and cultural geography of Africa, Asia, and Oceania. Emphasizes locational geography as the foundation for a clear world view and an understanding of global interdependence.

GGY 210. Economic Geography (3) Human economic activities, their location and relationships to physical and economic conditions of the environment.

GGY 230. Introduction to Weather and Climate (3) Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

GGY 240. Population Geography (3) Prerequisite: GGY 140 or consent of instructor. A study of the spatial dimensions of population growth, density and movement and of the shifts in these patterns as they relate to changes in selected socioeconomic and cultural phenomena.

GGY 255. Geography of the Middle East (3) Geographical, geological, historical and archaeological investigation of the physical environment and cultural landscapes that provide the settings for the evolution of the populations and cultures of Southwestern Asia.

GGY 270. Principles of Land Use Planning (3) Prerequisite: GGY 130 and 140 or consent of instructor. Introduction to planning techniques and to planning as a profession. Classification and analysis of spatial variations in land use patterns and development processes as they relate to the physical environment and human activities.

GGY 280. Special Topics in Geography (1-3) Prerequisite: GGY 130 or 140, or 180 or 181. Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings. More than one topic may be taken for credit (maximum six hours).

GGY 282. Geography of North Carolina (3) Prerequisite: GGY 140 or consent of instructor. A survey of the physical and cultural landscapes of North Carolina with the emphasis on an understanding of the complex geographical variety that exists within a dynamic and growing southern state.

GGY 312. Geography of Transportation (3) Prerequisite: GGY 210 or consent of instructor. Study of the structural elements of transportation systems and the spatial processes associated with their development.

GGY 315. Industrial Geography (3) Prerequisite: GGY 210 or credit in economics or consent of instructor. Factors underlying the distribution, development and character of manufacturing activities and industrial regions. Emphasis is placed upon location theory.

GGY 317. Urban Geography (3) Prerequisite: Credit in a social science or in history or consent of instructor. Analysis of the spatial distribution, growth, function and structure of urban places with emphasis on urban developments and problems in the United States.

GGY 320. Introduction to Cartography (4) Prerequisite: GGY 130 or GGY 140. Techniques of drafting, cartographic data representation, map design and interpretation. Two lecture and four laboratory hours each week.

GGY 322. Aerial Photography and Remote Sensing (3) Prerequisite: GGY 130 or GLY 101. Introduction to the use of aerial photography and other remote sensing techniques to analyze topography, geology, vegetation and culture. Two lecture and three laboratory hours each week.

GGY 325. Quantitative Methods in Earth Sciences (3) Prerequisite: STT 205 or 215. Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

GGY 333. Applied Climatology (4) Prerequisite: GGY 130 or 230 or consent of instructor. The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Three lecture and two laboratory hours each week.

GGY 335. (GLY 335) Introduction to Geomorphology (4) Prerequisite: GGY 130 or GLY 101. Description and classification of land forms; analysis of the geologic, climatic and biologic factors involved in their formation; survey of geomorphic provinces of the United States. Three lecture and two laboratory hours each week.

GGY 350. Political Geography (3) Prerequisite: GGY 140, GGY 180, or GGY 181, or consent of instructor. Geographic factors in the development of nations and in contemporary national and international affairs.

GGY 352. Historical Geography of the United States (3) Prerequisite: HST 201 or GGY 140 or consent of instructor. A study of the evolution of the cultural landscapes and the spatial patterns of the area that is now the United States. Examination of past geographies and of geographical change through time.

GGY 373. Regional and Environmental Land Use Planning (3) Prerequisite: GGY 270. Overview of the concepts and processes related to the regional growth and development. Review of the regional land use issues; discussion of planning strategies; and evaluation of regional land use plans and policies.

GGY 378. (HST 378) Historic Preservation Planning (3) Prerequisite: GGY 270, or 352 or consent of instructor. An applied research course which deals with the procedures employed by federal, state and local agencies in locating, recording, restoring and preserving American architectural resources and material cultural heritage. Subjects examined include survey, documentation, and planning; historic districts; adaptive use; funding; legislation; and organizational roles.

GGY 382. Regional Geography of the United States (3) Prerequisite: GGY 140 or consent of instructor. A regional analysis of physical characteristics, resource base and human geography of the United States.

GGY 385. Regional Geography of Europe (3) Prerequisite: GGY 140 or HST 102 or consent of instructor. A regional analysis of the physical and cultural features of Europe.

GGY 388. Regional Geography of Post-Soviet Eurasia (3) Prerequisite: GGY 140, GGY 181, or HST 326. Regional analysis of the physical and human geography of the new countries of the former USSR. Special emphasis on ethnoterritorial and environmental problems.

GGY 480. Advanced Topics in Geography (1-3) Prerequisite: Junior standing and consent of instructor. Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings. More than one topic may be taken for credit (maximum six hours).

GGY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

GGY 495. Senior Seminar (1-3) Prerequisite: Senior standing in geography. May be repeated one time for credit. One to three hours each week.

GGY 499. Honors Work in Geography (2-3) Prerequisite: Eligibility for honors program and recommendation of department chairperson. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Geology Course Descriptions

(Department of Earth Sciences)

GLY 101. Physical Geology (4) Study of the earth and the moon; constitution of the earth's crust; weathering, erosional and depositional processes; mountain building forces and the earth's internal composition. Field trips. Three lecture and three laboratory hours each week.

GLY 102. Historical Geology (4) Prerequisite: GLY 101. Geologic history of the earth; methods of interpreting the past; ancient environments; development and evolution of life. Required field trips. Three lecture and three laboratory hours each week.

GLY 120. (EVS 120) Environmental Geology (3) Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities.

GLY 131. Dinosaurs (2) Study of the Dinosaurs and other Mesozoic vertebrates as illustrations of the basic principles of vertebrate paleontology. Emphasis is placed on identification, systematics, evolution, ecology and extinction of the Dinosaurs. GLY 135. Prehistoric Life (3) Introduction to the field of paleontology and the fossil record; the succession of life from its earliest beginnings through the Age of Dinosaurs to modern Man; evolutionary, environmental and ecological analyses of fossil plants and animals based on biologic and geologic principles.

GLY 150. Introduction to Oceanography (3) An introduction to the geology, physics, chemistry and biology of the ocean; instruments and techniques of oceanography; resources of the ocean.

GLY 200. Methods in Geology (3) Prerequisite: GLY 101; Corequisite: GLY 102. Introduction to various bibliographic, graphic, field, and laboratory methods essential to geologic studies. Weekly projects and required field trips.

GLY 201. Mineralogy (4) Prerequisite: GLY 101: Corequisite: CHM 101, including laboratory. Principles of chemical bonding in natural solids; crystal chemistry; physical conditions of mineral genesis; geologically significant mineral associations; crystallography; mineral identification. Required field trips. Three lecture and three laboratory hours each week.

GLY 202. Advanced Mineralogy (3) Prerequisite: GLY 201; Corequisite: MAT 112 or permission of instructor. The techniques of mineral identification and analysis. Theory and application of the polarizing microscope and X-ray diffractometer. Introduction to the principles of the electron microprobe, X-ray fluorescence and atomic absorption. Two lecture and three laboratory hours each week.

GLY 220. Field Methods in Environmental Sciences (3) Prerequisite: GLY 101 or GGY 130; and MAT 111. Field intensive introduction to data collection methods and analytic procedures associated with monitoring, assessment and management of environmental problems. Required field trips. Two lecture and three laboratory hours each week.

GLY 310. General Petrology (4) Prerequisite: GLY 200, 201, or consent of instructor. A survey of the major igneous, sedimentary, and metamorphic rock groups. Emphasis is on classification, textural features, mode of occurrence, environments of origin and economic importance. Laboratory stresses rock identification and typical rock associations. Required field trips. Three lecture and three laboratory hours each week.

GLY 311. Igneous and Metamorphic Petrology (4) Prerequisite: GLY 200, 202. Theories of genesis of the major igneous and metamorphic rocks in the light of chemistry, mineralogy, structure and texture, field associations, and experimental data. The relationship between igneous and metamorphic processes and crust-mantle tectonic activity. Required field trips. Three lecture and three laboratory hours each week.

GLY 312. Sedimentary Petrology (4) Prerequisite: GLY 200, 202; Corequisite: GLY 337. Introduction to the identification, classification and origins of sediments and sedimentary rocks. Emphasis is placed on physical processes controlling sedimentation and study of modern and ancient depositional environments. Field trips. Three lecture and three laboratory hours each week.

GLY 335. (GGY 335) Introduction to Geomorphology (4) Prerequisite: GGY 130 or GLY 101. Description and classification of land forms; analysis of the geologic, climatic and biologic factors involved in their formation; survey of geomorphic provinces of the United States. Three lecture and two laboratory hours each week.

GLY 337. Invertebrate Paleontology (4) Prerequisite: GLY 102. History of fossil protistans and invertebrates with emphasis on the principles of paleontology, systematics and evolution, and on the use of fossils in stratigraphic correlation. Required field trips. Three lecture and three laboratory hours each week.

GLY 391. Appalachian Geology (1) Prerequisite: GLY 102. Field study of the structure, stratigraphy, rocks, and paleontology of the Paleozoic System of the Appalachian geosyncline. Introduction to sample collection, field mapping procedures, and methods of data analysis. Three field days and colloquium. Spring. (Fees)

GLY 392. Coastal Plain Geology (1) Prerequisite: GLY 102. Field analysis of depositional patterns and paleontology of Cretaceous and Cenozoic units of the southeastern Atlantic Coastal Plain. Introduction to methods of litho- and biostratigraphic correlation, sampling techniques, and sample retrieval and data analysis. Three field days and colloquium. Fall (Fees)

GLY 393. Coastal Processes (1) Prerequisite: GLY 101. Field examination of the depositional and erosional processes and materials in the marshes, estuaries and barrier islands of the Carolinas and Georgia. Introduction to basic techniques used by coastal researchers in field measurements, sample retrieval and data analysis. Three field days and colloquium. Spring. (Fees)

GLY 394. Piedmont Geology (1) Prerequisite: GLY 102. Field examination of the petrology, degree(s) of metamorphism, and structural style(s) of the various belts of rock in the crystalline Appalachians. Observations permit regional tectonic syntheses for the Piedmont. Three days and colloquium. Fall (Fees)

GLY 426. (526) Geohydrology (4) Prerequisite: MAT 162 and either GLY 310 or GLY 312. Geology of ground waters and related aspects of surface waters. Methods of ground water resource evaluation, protection, exploitation, and contaminant remediation. Three lecture and two laboratory hours each week.

GLY 431. Stratigraphy (4) Prerequisite: GLY 310 or GLY 312 or GLY 337. An introduction to the description, organization and classification of layered rocks. Emphasis is placed on the practical use of stratigraphic principles in elucidating earth history. Field trips. Three lecture and three laboratory hours each week.

GLY 441. Structural Geology (4) Prerequisite: GLY 200 and MAT 112 or permission of instructor. Introduction to the mechanics, fabrics, and geometry of rock deformation, including stress-strain relationships, folds and folding, and faulting and fracturing of rocks. Selected regional examples introduced to test concepts and theories of orogenic rock mechanisms and tectonics. Required field trip. Three lecture and three laboratory hours each week.

GLY 443. Tectonics (3) Prerequisite: GLY 310, GLY 431, and GLY 441. Current ideas and their development as global tectonic theories. Tectonic controls on orogeny, orogenic belts, magmatism, sedimentation, and metallogeny of major geologic regions of North America and other areas of the world.

GLY 458 (558). (BIO 487/587) Introduction to Coastal Management (4) Prerequisites: Junior standing or consent of instructors. Interdisciplinary study of human impact on coastal environments and organisms. Topics include the physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems. Three lectures and three laboratory hours each week.

GLY 470. Field Course in Geology (6) Prerequisite: GLY 311-312 (or GLY 310), GLY 431, and GLY 441. Geologic field mapping in sedimentary, igneous, and metamorphic rocks. Topographic map and aerial photographic bases. Mapping exercises in selected localities in the southern Rocky Mountains. Six weeks during summer months as part of the UNC system-wide field course.

GLY 472. (572) Introduction to Geochemistry (3) Prerequisite: MAT 162, GLY 201 or CHM 445. Abundance and distribution of chemical elements in the earth. Introduction to thermodynamics, phase and mineral equilibrium, isotopes, and geochronology. Application of geochemical processes to solving geologic and environmental problems.

GLY 480. Advanced Topics in Geology (1-4) Prerequisite: Junior standing in department and consent of instructor. Study of selected topics in geology that are not considered in detail in regular course offerings. Examples of specific topics are plate tectonics, seismology, depositional systems, groundwater hydrology, geochronology, and advanced paleontology. Taught on demand. More than one topic may be taken for credit (maximum 6 hours.)

GLY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

GLY 495. Senior Seminar (1-3) Prerequisite: Senior standing with a major in geology and completion of eighteen hours in the major from courses at the 200-level and above. May be repeated one time for credit.

GLY 499. Honors Work in Geology (2-3) Prerequisite: Eligibility for honors program and recommendation of department chairperson. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Gerontology Course Description

(College of Arts and Sciences)

GRN 101. Introduction to Gerontology (3) Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and field work.

Health Course Descriptions

(Department of Health, Physical Education and Recreation)

HEA 105. Individual Well-Being (3) Topical areas and issues in health explored within the physical, emotional, social, intellectual, and spiritual dimensions of personal wellness.

HEA 201. First Aid, Safety, and Cardio-Pulmonary Resuscitation (2) A certification course for American Red Cross First Aid and Cardio-Pulmonary Resuscitation. The class will meet for two lecture hours and one lab hour each week.

HEA 205. Reproduction and Sexuality (3) Prerequisite: HEA 105. Emphasizes the anatomy and physiology of reproduction, conception, prenatal growth and parturition; relevant issues pertaining to human sexuality, childbearing and sexual diseases.

HEA 207. Nutrition (3) The main focus of this course will be the application of the principles of nutrition as related to health, various levels of wellness, and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.

HEA 234. Principles of Health Education (3) An introduction to health education program planning, implementation, and evaluation in various health promotion settings. Focuses on responsibilities and strategies of entry-level health educators. Includes a supervised experience in a health-related agency.

HEA 304. Health and Safety Education , Grades K-9 (3) An overview of the three components of the school health program: health instruction, health services, and the healthful school environment. Focuses on methods and materials for health instruction, grades K-9. Emphasizes the role and responsibility of the classroom teacher in the areas of first aid, safety, and health problems of children.

HEA 305. Health Education Methods in Grades 6-12 (3) Organization and development of the middle- and high-school health curricula. Emphasis on development of curricula and teaching strategies that enhance health knowledge, attitudes, and behaviors.

HEA 325. Health and Aging (3) Prerequisite: GRN 101. An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality.

Honors Course Descriptions

(Honors Program)

HON 110. Freshman Interdisciplinary Honors Seminar (3) Prerequisite: Formal enrollment in the Honors Program or consent of the director. Introduces the honors student to the college experience by direct involvement in research, service and leadership activities. The nature of knowledge; the concept of a university; how a university education changes individuals and affects the future. Includes field experiences, collaborative learning and independent scholarship. Emphasis on discussion; required student projects.

HON 120. Honors Enrichment (1) Prerequisite: Formal enrollment in the Honors Program or consent of the director. Students attend a variety of visual/performing/cultural events and lectures on the campus and in the community. By direct contact, students have the opportunity to broaden their educational experience in both traditional and contemporary forums. Discussion and brief written assignments. May be repeated for a maximum of two semester hours.

HON 210. Topical Interdisciplinary Honors Seminar (3) Prerequisite: Formal enrollment in the Honors Program or consent of the director. An in-depth investigation of a special topic using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are "Preparing for the 21st Century"; "Technology and Humanity"; "The American Wilderness"; "Space, Time, Experience and Reality"; "The Sixties."

History Course Descriptions

(Department of History)

HST 101,102. Western Civilization (3,3) 101: History of Civilization to 1650. 102: History of Civilization from 1650 to the present.

HST 103. Introduction to Global History (3) An introduction to the global effects of colonialism, industrialism and nationalism with special emphasis on Asia, Africa, Latin America and the Middle East since 1500.

HST 201, 202. American History (3,3) 201: United States to 1865. 202: United States from 1865 to present.

HST 237. Women in Modern America (3) Survey of the female experience from the mid-nineteenth century to the present. A focus on three areas which affect the lives of modern women: work, politics and sexuality. Differences between the first and second woman's movement, the sexual revolutions of the 1920s and 1960s, and the changing nature of women's work in modern and post-modern society are explored in a comparative context.

HST 261. Afro-American History (3) A concise survey of the major themes and events in the history of black Americans from the colonial period to the present.

HST 271. The Sea in History (3) Prerequisite: HST 101-102 or consent of instructor. The history of mankind's interaction with the sea, focusing on its importance for resources, trade and transport, exploration, and warfare.

HST 273. Evolution of Warfare (3) The development of war from ancient times to the present, emphasizing its effect upon society.

HST 275. History of Science Since 1500 (3) An introduction to the history of the major developments in western science from the scientific revolution to the present, including an examination of both the origins of scientific discoveries and their impact on society.

HST 290. The Practice of History (3) An exploration of the nature of historical inquiry and of the techniques and methods essential to the study and writing of history.

HST 300. War and the United States (3) Prerequisite: HST 201-202 or consent of instructor. Examination of the role of war in the development of the United States from the colonial period to the present. Includes the development of an identifiably American understanding of war and the relationship of the military to society.

HST 301. Foreign Policy of the United States (3) Prerequisite: HST 201-202 or consent of instructor. The formation and implementation of American foreign policy, including the relationship between foreign policy and American political culture, and the impact of foreign perspectives on U. S. foreign policy.

HST 305. The Ancient Near East (3) Prerequisite: HST 101-102 or consent of instructor. An intensive political and cultural study of ancient Babylonian, Egyptian, and other Near Eastern civilizations.

HST 306. Ancient Greece and Rome (3) Prerequisite: HST 101-102 or consent of instructor. A study of the civilization of ancient Greece and Rome with special emphasis on the Greek classical period and the Pax Romana.

HST 311. History of England to 1485 (3) Prerequisite: HST 101-102 or consent of instructor. The history of England from the arrival of the Celtic tribes to the assumption of power by the Tudors in 1485. Emphasis on the political, social, and religious developments of the High Middle Ages.

HST 312. History of England 1485-1815 (3) Prerequisite: HST 101-102 or consent of instructor. The history of England from the assumption of power by the Tudors in 1485 to the victory over Napoleon in 1815. Emphasis on the theme of continuity and change in political, social, and economic life.

HST 313. History of England 1815 to Present (3) Prerequisite: HST 101-102 or consent of instructor. The history of England from Waterloo to the present. Emphasis on the impact of industrialization and urbanization, the gradual democratization of British politics, the expansion and contraction of the British Empire, the impact of world war, the rise of the welfare state, and post-industrial society.

HST 315. History of Modern Ireland (3) Prerequisite: HST 101-102 or consent of instructor. A survey of the history of Ireland from the end of the Elizabethan wars and the establishment of the Ulster plantation through the divergent twentieth-century experience of the Republic and Northern Ireland.

HST 316. British Empire and Commonwealth (3) Prerequisite: HST 101-102 or consent of instructor. A consideration of the British Empire, evolution of the Commonwealth and the emergence of additional post-World War II areas of independence.

HST 319. History of Spain (3) Prerequisite: HST 101-102. Survey of Spanish history with particular attention to Early Modern and Modern Periods. From the Alfonsine era and Reconquista through the Golden Age, decline, Fascism and democracy.

HST 321. History of Modern France (3) Prerequisite: HST 101-102 or consent of instructor. History of France from the French Revolution and Napoleon through the political, economic and social developments of the nineteenth century to the World Wars of the twentieth century.

HST 322. History of Germany 1648-1890 (3) Prerequisite: HST 101 and 102 or consent of instructor. The emergence of modern Germany from the end of the Thirty Years' War through the Bismarckian empire. Topics include the rise of Prussian absolutism, the Enlightenment in Germany, the impact of the French Revolution, Romanticism, the revolutions of 1848, unification, and constitutional problems of the empire.

HST 323. History of Germany 1890 to Present (3) Prerequisite: HST 101 and 102 or consent of instructor. Germany from the end of Bismarck's chancellorship to the present. Topics include World War I, German Expressionism, the failure of Weimar democracy, the rise of the Nazis, defeat and division, rebuilding in East and West, the collapse of communism, and reunification.

HST 325. Russia to 1881 (3) Prerequisite: HST 101-102 or consent of instructor. History of Russia from its origins to 1881. Includes: Mongol Conquest, statebuilding, foreign policy, popular and intellectual opposition to serfdom.

HST 326. Russia Since 1881 (3) Prerequisite: HST 101-102 or consent of instructor. History of Russia from 1881 to the present. Include: impact of emancipation, growth of revolutionary movement, revolutions of 1917, the Stalin years, post-Stalin reforms, end of Soviet Union.

HST 327. Modern Israel (3) Prerequisite: HST 102 or consent of instructor. The origins of the modern state of Israel; the history of Zionism, the Holocaust, and Great Power Diplomacy; evolution of Israel since 1948; political, social, economic, cultural, intellectual, scientific, and technological development; the Arab-Jewish conflict; and Israeli democracy and world politics.

HST 330. Womanhood in America: Family, Work and Community Life (3) Prerequisite: HST 201-202 or consent of instructor. An examination of American women and women's roles from the colonial period to the present.

HST 331. American Urban history (3) Prerequisite: HST 201-202 or consent of instructor. The transition in America from a pre-industrial rural society to an industrial urban society. This course explores the effect urbanization had upon America's social, political and economic institutions and concludes with an examination of how the "revolution" in transportation and technology shaped the design of American cities.

HST 333. American Social History (3) Prerequisite: HST 201-202 or consent of instructor. The impact of social change on American life from colonial times to the present. An examination of changing concepts of ethnicity and racial identification, the growth of religious movements, the effect of industrialization on family life, the impact of urbanization on crime and violence, and the influences of movies and television on mass behavior.

HST 339. Economic History of the United States (3) Prerequisite: HST 201-202 or consent of instructor. An historical study of American agriculture, labor, industry, transportation, and banking with emphasis on the relation of the government to the economy.

HST 341. North Carolina 1524 to 1835 (3) Prerequisite: HST 201-202 or consent of instructor. Political, economic and social development of North Carolina from the colonial and federal period to the Constitution of 1835.

HST 342. North Carolina 1835 to the Present (3) Prerequisite: HST 201-202 or consent of instructor. Political, economic and social development of North Carolina in the nineteenth and twentieth centuries.

HST 343. Wilmington: A Study of Development (3) Prerequisite: HST 201-202 or consent of instructor. The city of Wilmington, North Carolina, and its environs from geological beginnings through approximately 1970. Wilmington is used as an example of major historical trends with emphasis on the twentieth century.

HST 346. The Old South (3) Prerequisite: HST 201-202 or consent of instructor. The South from the colonial period to the Civil War with emphasis on political, economic, and social institutions distinctive to the South.

HST 347. The New South (3) Prerequisite: HST 201-202 or consent of instructor. Aftermath of Reconstruction, rise of the New South, effects of industrialism, continuation and decline of sectionalism.

HST 348. History of the American West (3) Prerequisite: HST 201 and 202 or consent of instructor. American social, political, and economic institutions in the trans-Mississippi West. Topics include the American frontier, Native American and Hispanic cultures, women and minorities, and the Western environment. Individuals and government are examined.

HST 349. American Indian History (3) Prerequisite: HST 201 and 202 or consent of instructor. North American Indian cultures and history from the pre-Columbian era to the present. Topics include Indian social, political, and economic life, religion and worldview, and gender roles; European and American interaction; development of federal Indian policy and the Indian response; status of Indians in contemporary America.

HST 350. Ethnohistory of Southeastern Indians (3) Prerequisite: HST 201-202 or consent of instructor. The history and culture of the Native American peoples of the Southeastern United States from prehistoric times to the present using ethnohistory, a methodology that fuses history and anthropology.

HST 351. (P&R 351) Religion in Early America (3) Prerequisite: HST 201 or P&R 242. Examination of the role and significance of religion in early American culture and society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.

HST 352. Colonial History of the U. S. (3) Prerequisite: HST 201-202 or consent of instructor. Formation and growth of American colonies to the conclusion of the French and Indian War (1763).

HST 353. The American Revolution and Formation of the United States, 1763-1815 (3) Prerequisite: HST 201-202 or consent of instructor. Organization of the British Empire, events preceding the Revolution, the war for independence, Confederation era, drafting and ratification of the U. S. Constitution, politics of the new nation.

HST 354. The Antebellum U. S. (3) Prerequisite: HST 201-202 or consent of instructor. Study of U. S. history from the War of 1812 through the advent of the Civil War. Major topics include Jacksonian Democracy, reform movements, national expansion, immigration, sectionalism, and the political crisis of the 1850s.

HST 355. The Civil War and Reconstruction (3) Prerequisite: HST 201-202 or consent of instructor. Examination of the origins, conduct, and significance of the Civil War, and Reconstruction through 1877.

HST 356. Robber Barons and Reformers: the U. S. from 1877 to 1917 (3) Prerequisite: HST 201-202 or consent of instructor. The rise of American industry and the Populist-Progressive responses to urbanization and industrialization.

HST 357. The United States from World War I through World War II (3) Prerequisite: HST 201-202 or consent of instructor. A study of the United States from 1917 to 1945 with emphasis on World War I, cultural change in the 1920s, the Great Depression, the New Deal, and World War II.

HST 358. The United States Since 1945 (3) Prerequisite: HST 201-202 or consent of instructor. Developments in American politics, cultural life, civil rights,and foreign policy from the time of the Truman Administration to the present.

HST 360. History of China (3) Prerequisite: Any two of the following: HST 101, 102 or 103; or consent of instructor. Survey of the history of China: the evolution of characteristic Chinese institutions and modes of thought from antiquity to the present within a wider framework of political, economic and cultural change; Chinese responses to western imperialism in modern times; revolutionary transformation in modern contemporary China.

HST 361. History of Japan (3) Prerequisite: Any two of the following: HST 101, 102 or 103; or consent of instructor. Survey of Japanese history from the earliest recorded times to the present emphasizing Japan's development as a cultural daughter of China; Japanization of Chinese culture and unique aspects of Japanese civilization; the emergence of a modern economy and state economic bases of Japanese militarism-imperialism; developmental characteristics of Japanese capitalism.

HST 363. History of Premodern East Asia (3) Prerequisite: HST 101 or 103, or consent of instructor. Survey of East Asia history from ancient times to the mid-nineteenth century, with emphasis on China and Japan and secondary attention to Korea and Vietnam.

HST 365. History of Modern East Asia (3) Prerequisite: HST 101-102 or consent of instructor. A survey of modern east Asian history from the mid-nineteenth century to the present with emphasis on the Asian response to western imperialism, institutional continuity and change, international relations, and movements toward independence and modernization. The course focuses on China, Japan and Korea with secondary attention to Southeast Asia in the post-World War II era.

HST 368. Latin American History (3) Prerequisite: An American or Western Civilization survey course or consent of instructor. The development of South America, Central America, and the Caribbean from the time of the pre-Conquest civilizations to the present.

HST 369. History of Brazil (3) Prerequisite: HST 103 or consent of instructor. A study of Brazilian history from its pre-Columbian beginnings through the periods of Portuguese colonial rule, the Empire, and dictatorship and democracy in the twentieth century.

HST 370. History of the Caribbean (3) Prerequisite: HST 103, or consent of instructor. Survey of indigenous societies, European incursions, plantation life and culture, revolution and independence, slave emancipation, economic, political and racial concerns from European contact to the present.

HST 371. African History to 1800 (3) Prerequisite: HST 102, 103 or consent of instructor. Historical survey of African history from earliest times to 1800 with emphasis on the precolonial period. Topics include early civilizations; the rise of Islam; initial European contacts; and the slave trade.

HST 372. History of Modern Africa (3) Prerequisite: HST 102, 103 or consent of instructor. Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.

HST 373. History of Southern Africa (3) Prerequisite: HST 102 and 103 or consent of instructor. Southern African history from earliest times to the present. Topics include early African and European inhabitants, the Zulu empire, mineral revolutions, regional conflicts, apartheid and African resistance to minority rule.

HST 374. History of West Africa (3) Prerequisite: HST 103, or consent of instructor. Survey of West Africa from earliest times to the present. Topics include early inhabitants, trans-Saharan trade, Muslim empires, precolonial kingdoms and peoples, slavery and the slave trade, colonialism, independence and recent events.

HST 378. (GGY 378) Historic Preservation Planning (3) An applied research course which deals with the procedures employed by federal, state, and local agencies in locating, recording, restoring, and preserving American architectural heritage and material cultural resources. Subjects examined include: survey, documentation, and planning; historic districts; adaptive use; funding; legislation; and organizational roles.

HST 379. European International Relations 1648-1914 (3) Prerequisite: HST 101-102 or consent of instructor. The emergence and evolution of the European state system from the end of the Thirty Years War to the origins of World War One. Topics include the rise of the great powers, the classical European balance of power, mercantilism, rise of modern warfare, and the impact of industrialization.

HST 380. Twentieth Century International Relations (3) Prerequisite: One of the following: HST 102, 103, 202, or consent of instructor. Historical analysis of the main techniques, goals, and practitioners of international relations from World War I to the present, stressing shifts in the balance of power, ideological competition, alliance systems, international organizations, peace movements, and new methods of conflict resolution.

HST 382. History of Middle East (3) Prerequisite: HST 101-102 or consent of instructor. Historical survey of the Middle East, with emphasis on the period since the rise of Islam. Topics include the early Islamic conquests, the Sunni/Shi'ite schism, the Ottoman Empire, colonialism, movements toward independence and modernization, and present conflicts.

HST 383. Women in Islamic Society (3) Prerequisite: HST 103. (HST 382 recommended.) The history and roles of women in Islamic Society. Topics include: women and work, women and national movements, women and war, and women and the veil.

HST 390. Medieval Civilization (3) Prerequisite: HST 101-102 or consent of instructor. An examination of medieval Europe from the fall of Rome to the fifteenth century. Emphasis on the development of feudalism, manorialism, and the universal authority of the Catholic Church.

HST 392. Europe in the Renaissance and Reformation (3) Prerequisite: HST 101-102 or consent of instructor. Examination of the profound intellectual, cultural, political and social changes of the period 1350-1618. Topics include Humanism, Italian Renaissance, Northern Renaissance, new monarchies, Protestant Reformations, Catholic Reformation, religious wars, and science.

HST 394. Europe in the Seventeenth and Eighteenth Centuries (3) Prerequisite: HST 101-102 or consent of instructor. Europe from the Thirty Years War to the French Revolution. Topics include mercantilism; intellectual and cultural developments; social transformation; colonialism; decline of Spain; dominance of Netherlands and France; English constitutional government; Scientific Revolution; Enlightenment; emergence of northern, central, and eastern Europe; enlightened despotism.

HST 396. Europe from 1789 to 1914 (3) Prerequisite: HST 101-102 or consent of instructor. The French and Industrial Revolutions and their social and political impact; the rise of nationalism and empires; capitalism and its critics; the changing balance of powers; the coming of the First World War.

HST 398. Europe in the Twentieth Century (3) Prerequisite: HST 101-102 or consent of instructor. Europe from World War I to the rise of consumer societies. Topics include both world wars, nationalisms, communisms, fascisms, and mass consumption.

HST 408. (548) Seminar: Medieval Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Medieval Europe (500-1500).

HST 412. (552) Seminar: Renaissance and Reformation Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Renaissance and Reformation Europe (1350-1618).

HST 414. (554) Seminar: Early Modern Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Early Modern Europe (1618-1789).

HST 416. (556) Seminar: Nineteenth-Century Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Europe from the French Revolution to the First World War.

HST 418. (558) Seminar: Twentieth-Century Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Europe since 1914.

HST 440. (518) Seminar: U. S. Social History (3) Prerequisite: HST 201-202, 290. Intensive study of selected topics in U. S. social history. Examples of topics: African-Americans, immigrants, social movements, education, work and leisure, sexuality. May be repeated under a different subtitle.

HST 442. (525) Seminar: U. S. Economic History (3) Prerequisite: HST 201-202, 290. Intensive study of significant themes or events in U. S. economic history from the colonial period to the present. Examples of topics: economy of Colonial America, 19th-century labor movements, economy of the Antebellum South, agricultural history. May be repeated under a different subtitle.

HST 444. (526) Seminar: U. S. Political History (3) Prerequisite: HST 201-202, 290. Intensive study of selected facets of political theory, behavior, movements, and institutions, and how political power has been used to influence the development of society. Examples of topics: New Deal politics, third-party movements, U. S. Constitution. May be repeated under a different subtitle.

HST 446. (527) Seminar: U. S. Diplomatic History (3) Prerequisite: HST 201-202, 290. Intensive examination of fundamental principles, assumptions, and objectives in the conduct of U. S. foreign policy, and of how Americans have viewed their place in the international order at various moments in their history. Examples of topics: the diplomacy of World War II, the Cold War, arms control and disarmament. May be repeated under a different subtitle.

HST 448. (528) Seminar: U. S. National Security History (3) Prerequisite: HST 201-202, 290. Intensive examination of major themes and events in the evolution of U. S. national security and defense policy, the uses of national power, and the role of military affairs from the colonial period to the present. Examples of topics: the Vietnam War, the use of air power, U. S. imperialism. May be repeated under a different subtitle.

HST 450. (529) Seminar: U. S. Intellectual History (3) Prerequisite: HST 201-202, 290. Intensive examination of the role of ideas in American history. Examples of topics: radicalism, the Enlightenment, myth in American history, and ideas about democracy, ethnicity, equality, religion, gender. May be repeated under a different subtitle.

HST 454. (531) Seminar: U. S. Regional History (3) Prerequisite: HST 201-202, 290. Intensive examination of the economic, social, and political history of a specific region of the United States. May be repeated under a different subtitle.

HST 470. (570) Introduction to Public History (3) Prerequisite: HST 201-202, 290. A research seminar of public history (government/public policy, archives, and information management, cultural resources management, media and research organizations), and research methodologies. Field trips, guest speakers and a sponsored research project. (Provide practical experience for participants.)

HST 481. (581) Topics in African History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in African history. Examples of topics: slavery, the slave trade and its abolition, pre-colonial Africa, colonial and post-colonial Africa, oral history in Africa. May be repeated under a different subtitle.

HST 482. (576) Community Studies (3) Prerequisite: HST 201-202, 290. Provides an introduction to the methodological and practical application of community studies. Topics include: oral history, folklore, ethnography, museum and archival collection and management and historic preservation. Students will select a research project in cooperation with one of the local museums, historical societies, the public library or other government agencies.

HST 483. (583) Topics in Middle Eastern History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in Middle Eastern history. Examples of topics: early Islamic conquests, the Ottoman Empire, the Arab-Israeli conflict. May be repeated under a different subtitle.

HST 485. (585) Topics in Latin American History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in Latin American history. Examples of topics: pre-Columbian civilizations, colonial rule under Spain and Portugal, nationalism, revolutionary movements. May be repeated under a different subtitle.

HST 487. (587) Topics in Global History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in global history. Examples of topics: colonialism, imperialism, industrialization, slavery, revolutionary movements. May be repeated under a different subtitle.

HST 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

HST 495. Seminar (3) Prerequisite: HST 290. Intensive study of historical topic not regularly covered in other courses. May be repeated under a different subtitle.

HST 496. (586) Topics in the History of Science and Technology (3) Prerequisite: HST 275 or consent of instructor. Intensive study of a selected theme in the History of Science and Technology. Examples of topics include: "Positivism", "Occult Studies and the Renaissance", "The Second Industrial Revolution". May be repeated under a different subtitle.

HST 497. (597) Topics in Asian History (3) Prerequisite: HST 103, 290. Intensive study of selected themes and events in Asian history not regularly covered in other courses. Examples of topics include: The Chinese Revolution, Meiji Japan, Gandhian thought, nationalist movements. May be repeated under a different subtitle.

HST 498. Internship in Applied History (3) Prerequisite: HST 101, 102, 201, 202, 470 and at least one other history course with relevant content. Academic training and practical field experience through work with a private historical agency in the three county area in and around Wilmington. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing who have been approved by the Advisory Committee for the Intern Program.

HST 499. Honors Work in History (2-3) Prerequisite: Senior standing. Consent of instructor or department chairperson. Individual study of honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

International Studies Courses

(Cross Disciplinary)

INT 294. International Student Exchange (12) Sophomore-level designation for UNCW students participating in a semester exchange program in another country.

___ 294. Departmental Study Abroad (3-6) Sophomore-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix to the number and lists the course(s) in the coming semester's schedule of classes.

INT 494. International Student Exchange (12) Senior-level designation for UNCW students participating in a semester exchange program in another country.

___ 494. Departmental Study Abroad (3-6) Senior-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix to the number and lists the course(s) in the coming semester's schedule of classes.

Italian Course Descriptions

(Department of Foreign Languages and Literatures)

ITN 101-102. Introductory Italian (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Italian; reading, writing, and basic conversation.

Japanese Course Descriptions

(Department of Foreign Languages and Literatures)

JPN 101-102. Introductory Japanese (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Japanese; reading, writing, and basic conversation.

Latin Course Descriptions

(Department of Foreign Languages and Literatures)

LAT 101-102. Introductory Latin (3-3) Emphasis on achievement of an active knowledge of the Latin language and reading ability in classical Latin. Intensive study of Latin grammar, aural/oral practice; reading from Latin authors, especially Ovid; discussions to introduce the students to the literature, culture and society of ancient Rome.

LAT 201-202. Intermediate Latin (3,3) Prerequisite: LAT 102 or equivalent. A review of the grammatical structure of the language. Emphasis on developing reading skills through readings from various Latin authors.

LAT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

Leadership Course Description

(Department of Communication Studies)

LED 411. Contemporary Leadership Applications (3) Prerequisite: COM 311. Concepts related to leadership. Ability to envision and implement change for the common good using diverse perspectives and contexts. Applies leadership and organizational theories through real world experience and contemporary issues.

Mathematics Sciences Course Descriptions

(Department of Mathematical Sciences)

In general, mathematics is sequential in nature. Therefore, successful mastery of each course in sequence is necessary in order to be adequately prepared for the next course. In light of this, it is strongly recommended that students obtain a grade of at least "C-" before registering for the next course in a sequence. With special permission a student can repeat a course in which a lower grade is obtained. Sequences offered where this guideline is applicable are MAT 111-112, MAT 111-151, MAT 111-112-151-152, MAT 115-151-152, MAT 111-112-161-162-261, MAT 115-161-162-261.

MAT 100. Foundations of Algebra (0) Designed primarily for students not prepared for MAT 111 who need additional manipulative skills, particularly in algebra. Three hours each week. (No credit granted toward graduation. Hours are counted in computing student loads, but not in computing quality point ratios.) This course is offered on campus through Cape Fear Community College (CFCC). Consequently, all students taking this course are required to pay tuition, fees, and charges as established by CFCC in addition to charges established by UNCW. UNCW collects these additional charges from the student and remits the amounts collected to CFCC.

MAT 101-102. College Mathematics for The General Student (3,3) A survey of mathematical ways of thinking. Introduces logic, number systems, algebra, geometry, probability, statistics, computers, calculus, and the history of mathematics. Emphasis on concepts and applications rather than on manipulative skills. Not intended as preparation for further mathematics courses. (Cannot be substituted for MAT 111, 112, or 115. No credit granted after the completion, with a grade of "C-" or better, of a mathematics course numbered 141 or higher.

MAT 111. College Algebra (3) Prerequisite: Satisfactory performance on the UNCW mathematics placement test. A preparatory course for further mathematics courses. Equations and inequalities; polynomial, exponential and logarithmic functions; graphs; systems of equations. (No credit granted after the completion, with a grade of "C-" or better, of MAT 115 or a mathematics course numbered 151 or higher.)

MAT 112. Trigonometry (3) Prerequisite: MAT 111 or equivalent or satisfactory performance on the UNCW mathematics placement test. Topics from trigonometry and algebra. Includes trigonometric functions, identities and equations; zeros of polynomials, mathematical induction; sequences. (No credit granted after the completion, with a grade of "C-" or better, of MAT 115 or a mathematics course numbered 152 or higher.)

MAT 115. Precalculus (3) Prerequisite: Satisfactory performance on the UNCW mathematics placement test. (This is usually equivalent to an SAT score above 500 in math, and at least a "B" average in algebra I and II, geometry, advanced algebra and trigonometry.) Functions and their inverses, mathematical induction, exponential and logarithmic functions, polynomial and rational functions, trigonometric functions and their inverses. (No credit granted after the completion, with a grade of "C-" or better, of MAT 111, MAT 112, or a mathematics course numbered 151 or higher.)

MAT 141-142. Basic Concepts of Mathematics (3-3) Real number system and related operations, units of measurement, graphs and data analysis, geometry, logic and sets, and introduction to calculators and computers.

MAT 151-152. Basic Calculus with Applications (3-3) Prerequisite: MAT 111 or 115 for 151; MAT 112 or 115 and 151 for 152. Differentiation and integration of algebraic and certain transcendental functions, partial differentiation, sequences and series. Greater emphasis is placed on techniques and applications than on theory and derivations. This sequence is not intended for students who need mathematics beyond calculus.

MAT 161-162. Calculus with Analytic Geometry (4-4) Prerequisite: MAT 112 or 115 or equivalent preparation in algebra and trigonometry. Treatment of calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, differentials and approximations; theory of integration with applications; equations of curves including the conic sections; transcendental functions; infinite sequences and series. Three lecture and two hour laboratory hours each week.

MAT 261. Multivariate Calculus (4) Prerequisite: MAT 162. Calculus of functions of several variables. Polar coordinates and parametric equations, solid analytic geometry, partial derivatives, multiple integrals. Three hours lecture and two hours laboratory each week.

MAT 275. Axiomatic Systems (3) Prerequisite: MAT 152 or 161. An introductory treatment of logic and methods of proof. Elementary set theory, relations, functions, cardinality, the real number system and topics from axiomatic systems. Emphasis on precision in the language of mathematics and rigor in proofs. Students gain experience in communicating mathematics through presentations.

MAT 321. Number Theory and Its Applications (3) Prerequisite: MAT 275 or CSC 133. Introduction to the theory of numbers motivated by applications. Primes and divisibility; the Euclidean algorithm; linear congruences and the Chinese Remainder Theorem; Fermat's Little Theorem; continued fractions and Farey sequences. Applications to cryptology, computer arithmetic, random number generators and primality testing. Possible additional applications to computer science, physics, communication, music.

MAT 325. (CSC 325) Numerical Algorithms (3) Prerequisite: CSC 111 or 121, MAT 162. An introduction to the numerical algorithms fundamental to scientific computer work. Includes elementary discussion of error, polynomial interpolation, quadrature, linear systems of equations, solution of non-linear equations, and numerical solution of ordinary differential equations. The algorithmic approach and the efficient use of the computer are emphasized.

MAT 335. Linear Algebra and Matrices (3) Prerequisite: MAT 162. Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, applications.

MAT 336. Introductory Modern Algebra I (3) Prerequisite: MAT 275, 335 or consent of instructor. Study of group theory and introduction to rings. Groups subgroups, normal subgroups, quotient groups, homomorphisms. Permutation groups, matrix groups, symmetry groups. Definition and examples of rings.

MAT 337. Introductory Modern Algebra II (3) Prerequisite: MAT 336. Elementary properties of rings, integral domains, ideals, homomorphisms, quotient rings and fields. Rings of polynomials and factorization of polynomials over a field; unique factorization domains; Eisenstein's irreducibility criterion; field extensions; the isomorphism extension theorem; the primitive element theorem; geometric constructions by ruler and compass; introduction and illustrations of Galois theory.

MAT 345. Modern College Geometry (3) Prerequisite: MAT 275 or consent of instructor. Use of elementary methods in advanced study of the triangle and circle, special emphasis on solving original examples, comparison of Euclidean and non-Euclidean and projective geometries.

MAT 346. Historical Development of Mathematics (3) Corequisite: MAT 275 or consent of instructor. Development of mathematics from earliest systems to present century. Personalities involved with the contributions of each. A problem-study approach to give the student some training in research.

MAT 361. Differential Equations (3) Prerequisite: MAT 261. Theory , methods of solution, and applications of ordinary differential equations with emphasis on first order equations and linear equations. Additional topics from power series solutions, Laplace transforms, linear systems, and numerical methods.

MAT 366. Advanced Calculus I (3) Prerequisite: MAT 261; corequisite: MAT 335. A thorough study of differential and integral calculus of vector-valued functions of a vector variable. Jacobians, inverse and implicit function theorems, change of variables in multiple integrals; theorems of Green, Gauss, and Stokes; applications.

MAT 367. Advanced Calculus II (3) Prerequisite: MAT 366. Further topics in analysis and their applications. Infinite series, power series, uniform convergence; Fourier series and orthogonal functions; Fourier and Laplace transforms; elementary applications to differential equations and boundary value problems. Introduction to complex variables and residue theory.

MAT 375. Combinatorics (3) Prerequisite: MAT 275 or CSC 133. Techniques for counting configurations of objects. Recurrence relations; principle of inclusion-exclusion; graphs, trees, and circuits. Additional topics chosen from Polya's Theorem, generating functions, and network flows.

MAT 411-412. (511-512) Real Analysis (3-3) Prerequisite: MAT 261, 275, and 335. Advanced study of convergence, continuity, differentiation, and integration in Euclidean space. The real number system, basic topology of Euclidean spaces; sequences and series; continuity, differentiation of vector-valued functions, uniform continuity; theory of integration; implicit and inverse function theorems, Stokes' Theorem.

MAT 415. (515) Introduction to Complex Variables (3) Prerequisite: MAT 367 or 411. A first study of functions of a complex variable. Algebra of complex numbers, elementary functions with their mapping properties; analytic functions; power series; integration, Cauchy's Theorem, Laurent series and residue calculus; elementary conformal mappings and boundary value problems.

MAT 418-419. (518-519) Applied Analytical Methods (3-3) Prerequisite: MAT 361 and 367. A thorough treatment of the solution of initial and boundary value problems of partial differential equations. Topics include classification of partial differential equations, the method of characteristics, separation of variables, Fourier analysis, integral equations and integral transforms, generalized functions, Green's functions, Sturm-Liouville theory, approximations, numerical methods.

MAT 421. (521) Number Theory I (3) Prerequisite: MAT 336. Use of algebraic techniques to study arithmetic properties of the integers and their generalizations. Primes, divisibility and unique factorization in integral domains; congruences, residues and quadratic reciprocity; diophantine equations and additional topics in algebraic number theory.

MAT 425. (525; CSC 425/525) Numerical Analysis (3) Prerequisite: MAT 325, 335, and 361. Introduction to the theoretical foundations of numerical algorithms. Solution of linear systems by direct methods; least squares, minimax, and spline approximation; polynomial interpolation; numerical integration and differentiation; solution of nonlinear equations; initial value problems in ordinary differential equations. Error analysis. Certain algorithms are selected for programming.

MAT 435. (535) Linear Programming (3) Prerequisite: CSC 111 or 121 and MAT 335. Methods and applications of optimizing a linear function subject to linear constraints. Theory of the simplex method and duality; parametric linear programs; sensitivity analysis; modeling and computer implementation.

MAT 436. (536) Discrete Optimization (3) Prerequisite: MAT 435. Theory and applications of discrete optimization algorithms. Transportation problems and network flow problems; integer programming; computer implementation.

MAT 451. (551) Topology I (3) Prerequisite: MAT 275 and 336. A study of the basic concepts of general topology. Metric spaces, continuity, completeness, compactness, connectedness, separation axioms, product and quotient spaces; additional topics in point-set topology.

MAT 457. (557) Differential Geometry (3) Prerequisite: MAT 366 or 411. Theory of curves and surfaces in Euclidean space. Frenet formulas, curvature and torsion, arc length; first and second fundamental forms, Gaussian curvature, equations of Gauss and Codazzi, differential forms, Cartan's equations; global theorems.

MAT 463. 563) Ordinary Differential Equations (3) Prerequisite: MAT 335 and 361. Advanced study of ordinary differential equations. Existence and uniqueness; systems of linear equations, fundamental matrices, matrix exponential; series solutions, regular singular points; plane autonomous systems, stability and perturbation theory; Sturm-Liouville theory and expansion in eigenfunctions.

MAT 465. (565; STT 465/565) Applied Probability (3) MAT 261 and STT 362. The formulation, analysis and interpretation of probablistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.

MAT 471. Projects in Mathematical Modeling (3) Prerequisite: MAT 435 or 461 or MAT/STT 465. Techniques of problem recognition and formulation, and mathematical solution and interpretation of results. Each student will construct a mathematical model under the supervision of the Applied Mathematics Advisory Committee and report on the investigation in written and oral form. Seminar format.

MAT 475. Topics in Mathematics (3) Prerequisite: Junior or senior standing and permission of instructor. Topics of current interest in mathematics not covered in existing courses. May be repeated under a different subtitle.

MAT 481. (581) Introduction to Mathematical Logic (3) Prerequisite: MAT 275 and 336. The formal study of truth and provability. Propositional calculus; predicate calculus. Godel's completeness theorem, applications to formal number theory and incompleteness. Additional topics chosen from areas such as undecidability or nonstandard analysis.

MAT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, at least a 3.00 average on all mathematics courses taken, junior or senior standing, and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

MAT 495. Seminar in Mathematics (1-3) Prerequisite: Junior or senior standing and consent of instructor. Investigation of and an oral report on a mathematical topic under the direction of a faculty member. Within the first four weeks of the semester enrolled, the student must submit an outline of the proposed work to the Mathematics Advisory Committee for approval.

MAT 499. Honors Work in Mathematics (2-3) Prerequisite: Eligibility for honors program. Individual study for honor students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Management Course Descriptions

(Department of Management and Marketing)

MGT 350. Organization Theory and Behavior (3) Prerequisite: Junior standing. Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

MGT 352. International Management (3) Prerequisite: ECN 222 and MGT 350. Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

MGT 353. Entrepreneurship (3) Prerequisite: ACG 203, MGT 350 and MKT 340. Primary focus on starting a new business. Specific areas include identifying business opportunities, conducting feasibility studies, developing the business plan, evaluating alternative ways of financing new ventures and identifying the appropriate legal form of organization. Purchasing an existing business and acquiring a franchise are also addressed.

MGT 354. Managing Innovation and Technology (3) Prerequisite: MGT 350. Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

MGT 356. Human Resource Management (3) Prerequisite: MGT 350. Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

MGT 357. Hospitality Management (3) Prerequisite: MGT 350 or permission of instructor. The course provides a general overview of the hospitality industry and the issues related to successful management of businesses within this industry. In particular, these sectors include food service, lodging, entertainment, medical, and other related industries such as cruise lines and supplier industries. Special attention will be given to the hospitality sector in the Carolinas, and issues related to entrepreneurship within hospitality.

MGT 358. Organizational Behavior (3) Prerequisite: MGT 350. Application of behavioral science concepts in the management of organizations. Emphasis on increasing productivity on the individual, group, and organizational level. Particular attention directed to analyzing organizations, developing motivational programs, designing enriching jobs, leadership development, and managing organizational change.

MGT 450. Strategic Management (3) Prerequisite: MGT 350. Examination of strategy as an economic and planning process and as a matter of organizational decision making within a social, political and cultural process. Particular attention directed to examining the increasingly turbulent environment within these contexts.

MGT 451. Total Quality Management (3) Prerequisite: MGT 350 and (or as corequisite) MGT 358, or permission of instructor. Primary emphasis is on gaining an understanding of the concept and process of Total Quality Management (TQM) as an organizational culture and basis for strategy and operations. Particular emphasis is placed on acquiring the knowledge and interpersonal skills necessary to facilitate and institutionalize TQM rather than focusing on the technical aspects of the statistical process control tools typically used in the process. The course involves a high level of student interaction and participation in role modeling the concepts and using group collaborative process tools as a means of learning both the concepts and the tools.

MGT 453. New Venture Management: (3) Prerequisite: MGT 350, MKT 340, and FIN 335. Examination of the challenges associated with maintaining a high rate of growth in relatively new firms. Emphasis on new product and service development, financial planning and control, and operational aspects of new venture management including supplier relations, sources of funding, and credit practices.

MGT 455. Business Policy (3) Prerequisite: MGT 350, PDS 317, BLA 361, MKT 340, FIN 335. Senior level capstone course integrating the business functions. Case analysis, discussion, and presentations are utilized to prepare students for strategic decision making, planning for competitive advantage, communicating decisions, and planning effective implementation of strategies.

MGT 456. Employee-Management Relations (3) Prerequisite: MGT 350. Analysis of management techniques for the administration of labor agreements; study of collective bargaining and union-management relations; and evaluation of labor relations in union and non-union organizations. Case studies provide realistic experience for both private and public sector labor relations.

MGT 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

MGT 495. Senior Seminar (3) Prerequisite: MGT 350 and senior standing. Special topics in management not regularly addressed in other management courses.

MGT 498. Internship in Management (1-3) Prerequisite: Senior standing and consent of faculty supervisor. Involves the application of management knowledge in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

MGT 499. Honors work in Management (2-3) Prerequisite: Senior standing. Independent work for honors students.

Marketing Course Descriptions

(Department of Management and Marketing)

MKT 340. Principles of Marketing (3) Prerequisite: Junior standing. Introduction to the concepts, activities and decisions that relate to the marketing function in business and nonbusiness organizations in domestic and international settings. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, place, and promotion.

MKT 341. Marketing Research (3) Prerequisite: PDS 217 and MKT 340. The development and utilization of marketing research techniques for decision making. Emphasis on the specification, accumulation, analysis, interpretation and presentation of information to help management understand the environment, identify problems and opportunities, and develop and evaluate courses of marketing action.

MKT 344. Distribution Management (3) Prerequisite: MKT 340. An introduction to physical distribution from an institutional and managerial perspective. Study of channel structure, legal factors, performance measurement, inventory control, and trends in the channel environment. Emphasis on the design and management of a physical distribution system.

MKT 346. Retail Management (3) Prerequisite: MKT 340. Examination of the principles and methods of retailing. Study of social, political, ethical, and economic environments. Emphasis on market segmentation, merchandising, and managerial control.

MKT 347. Promotion Management (3) Prerequisite: MKT 340. The promotion mix, with an emphasis on advertising and sales promotion, as a component of the marketing mix and overall organizational strategy from the perspective of the marketer, advertiser, agency, consumer and public.

MKT 348. Personal Selling (3) Prerequisite: MKT 340. Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in personal selling careers. Includes fundamentals of personal selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

MKT 349. Consumer Behavior (3) Prerequisite: MKT 340. Behavioral science concepts and principles and how they contribute to effective and efficient marketing activities from the perspective of the consumer, marketer and public policy maker.

MKT 442. International Marketing (3) Prerequisite: MKT 340. Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever changing world.

MKT 445. Marketing Management (3) Prerequisite: MGT 350, MKT 341, six additional hours of marketing coursework, and senior standing. Concepts of demand analysis, formulating marketing strategy, establishing policies and procedures, coordinating marketing action, and evaluating performance.

MKT 447. Services Marketing (3) Prerequisite: MKT 340. A study of the marketing of services with emphasis on the distinctions that exist between marketing intangibles and tangible products. The managerial implications and strategies available in services marketing are also examined.

MKT 448. Sales Management (3) Prerequisite: MGT 350 and MKT 340. Focus on developing and maintaining an effective sales organization. Emphasis on the role of the salesperson, motivating the sales force, and designing and implementing selling strategies.

MKT 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

MKT 495. Seminar in Marketing (3) Prerequisite: Senior standing. Special topics in marketing not regularly addressed in other marketing courses.

MKT 498. Internship in Marketing (1-3) Prerequisite: Senior standing and consent of faculty supervisor. Involves the application of marketing knowledge in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or a not-for-profit organization and a faculty supervisor.

MKT 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Music Course Descriptions

(Department of Fine Arts)

MUS 101. Theory I (2) Prerequisite: Placement test. Corequisite: MUSL 101. An in-depth study of the basic material of music, including the physics of sound, time classification, notation of pitch and rhythm, intervals, scales and modes, key signatures and triads. Three hours per week.

MUSL 101. Aural Skills, Keyboard, and Sight-Singing I (1) Corequisite: MUS 101. Includes melodic, harmonic and rhythmic dictation keyboard work, and sight-singing using the materials introduced in MUS 101. Two hours per week.

MUS 102. Theory II (2) Prerequisite: MUS 101. Corequisite: MUSL 102. A study of tonality, triads in inversions, phrase structure and cadences, harmonic progression, the technique of harmonization and non-harmonic tones. Three hours per week.

MUSL 102. Aural Skills, Keyboard, and Sight-Singing II (1) Prerequisite: MUSL 101. Corequisite: MUS 102. Includes melodic, harmonic, and rhythmic dictation, keyboard work, and sight-singing using the materials introduced in MUS 102. Two hours per week.

MUS 105. Rudiments of Music (3) A general survey of the basic materials of music, including the study of musical rudiments, listening experiences, sight-singing, keyboard, and other related activities. The course is designed for elementary education students, public school teacher recertification, music students who wish to prepare for MUS 101, and for students who wish to increase their knowledge of music.

MUS 115. Survey of Music Literature (3) Designed to increase the student's knowledge and appreciation of music; technical knowledge of music not required.

MUS 116. History of Jazz (3) A survey of the evolution of this American art form from its African roots and European influences to the present. Technical knowledge of music not required.

MUS 117. American Music (3) A survey of American composers, musicians, and music making (classical, folk and religious) from the earliest days of European settlement to the present. Technical knowledge of music helpful, but not required.

MUS 118. Survey of Electronic Music (3) A non-technical survey of electronic music, analytical study of compositions from recordings, and basic compositional methods utilizing the facilities of the UNCW Electronic Music Studio. Technical knowledge of music not required.

MUS 119. Popular Music of African-American Culture (3) A socio-cultural survey of urban African-American music, its performers, producers, and songwriters from 1945 to the present. Styles from rhythm and blues to rap music are examined within the context of the communities from which they evolved.

MUS 131. Chamber Music Workshop (1) Open for any student who has had previous training and experience and who has the consent of the chairperson of the department. Small instrumental and vocal ensembles. Type of group will depend upon availability of personnel and faculty instructor. Two hours per week. Accumulative credit.

MUS 133. Opera Workshop (2) Prerequisite: MUS 195-03 or consent of instructor. The musical preparation and staging of operatic scenes through dramatic interpretation, body movement, and improvisation. Three hours each week. May be repeated by music majors for a maximum of eight semester hours.

MUS 134. Choral Workshop (3) Survey of choral literature of all periods, including contemporary and popular, through performance, score study, and analytical listening.

MUS 141-142. Class Piano I (1-1) Prerequisite: Consent of instructor. Recommended for all students enrolled in MUS 101-102 and music majors who have not passed the piano proficiency examination. Laboratory hours as required.

MUS 143-144. Class Guitar (1-1) Prerequisite: Consent of instructor. Class instruction in classical guitar. Prior experience is not required. Two laboratory hours each week.

MUS 146. Class Voice (1) Prerequisite: Consent of instructor. Singing techniques learned through vocal exercises and study of song literature. Two hours each week. Accumulative credit.

MUS 182. Accompanying (1) Prerequisite: Consent of instructor. Accumulative credit limited to eight semester hours. Students will be assigned an instrumentalist or vocalist with whom to work. One hourly class meeting per week, plus accompanying for lesson of soloist and adequate rehearsal time with soloist per week to prepare for the lesson of the soloist.

MUS 183. Chamber Singers (1) Prerequisite: Audition by director. Select group chosen by audition. The singers study and perform the gamut of repertoire for smaller choir. May be repeated with accumulative credit limited to four semester hours. Three rehearsal hours per week.

MUS 184. Jazz Ensemble (1) Prerequisite: Consent of instructor and auditions by director. The study and performance of jazz techniques and interpretation of popular styles in large or small ensemble. Intended for students who have had instrumental experience. Accumulative credit limited to four semester hours.

MUS 185. Wind Ensemble (1) Prerequisite: Auditions by director. Study and performance of music from the band repertoire, including a broad variety of styles, composers, and nationalities. May be repeated with accumulative credit limited to four semester hours. Meets a minimum of two hours each week.

MUS 186. Concert Choir (1) Prerequisite: Auditions by director. The singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated with accumulative credit limited to four semester hours. Three rehearsal hours each week.

MUS 187. Orchestra (1) Auditions by director. Study and performance of the orchestral literature performed with the Wilmington Symphony Orchestra which meets for a minimum of two hours per week and gives an average of six performances per year. Accumulative credit limited to four semester hours.

MUS 188. Pep Band (1) Prerequisite: Audition by director. Study and performance of music from the band repertoire, including a variety of styles and composers. Provide music and school spirit support at men's basketball home games. One two-hour rehearsal per week. May be repeated. Accumulative credit up to 8 hours.

MUS 195. Lower Level Applied Music, Private Lessons (1) Prerequisite: Consent of Music Division Coordinator. One half hour music lesson per week. Requires a minimum of five practice hours per week. Accumulative credit.

Baritone Horn	Harpsichord	Trombone
Bassoon	Oboe	Trumpet
Cello	Organ	Tuba
Clarinet	Percussion	Viola
Classical Guitar	Piano	Violin
Flute and Piccolo	Saxophone	Voice
French Horn	String Bass	

MUS 196. Lower Level Applied Music, Private Lessons (2) Prerequisite: Consent of Music Division Coordinator. One hour lesson per week. Requires a minimum of 10 practice hours per week. May be repeated for credit (instruments as indicated in MUS 195.) (This course is intended for music majors only.)

MUS 197. Lower Level Applied Music, Private Lessons (3) Prerequisite: Consent of Music Division Coordinator. One hour lesson per week. Requires a minimum of 15 practice hours per week. May be repeated for credit (instruments as indicated in MUS 195.) (This course is intended for music performance majors only.)

MUS 201. Theory III (2) Prerequisite: MUS 102. Corequisite: MUSL 201. A study of the musical process as observed in the literature of the common practice period. Based upon both structural and functional analyses as well as problem solving and controlled composition exercises. Includes secondary dominants, chromatic approach to chords and the concept of modulation. Three hours per week.

MUSL 201. Aural Skills, Keyboard, and Sight-Singing III (1) Prerequisite: MUSL 102. Corequisite MUS 201. Includes melodic, harmonic, and rhythm dictation, keyboard work, and sight-singing using the materials introduced in MUS 201. Two hours per week.

MUS 203. Composition (1 or 2) Prerequisite: Consent of instructor. A beginning study of compositional techniques though direct application in original compositions. One half-hour lesson per week, Accumulative credit.

MUS 218. Electronic Music Composition (2) Prerequisite: MUS 118. A study of basic recording and synthesizer techniques utilizing the facilities of the UNCW Electronic Music Studio.

MUS 225. Introduction to Music Education (1) Topics include a history of public school music education in the United States, philosophies of music education, curriculum developments, and career options in music education. Field observations and interviews.

MUS 226. Music Education for Elementary Teachers (3) Fundamentals of music theory, song accompaniment, classroom instrument techniques, and age-appropriate activities. Selection of materials, strategies for developing music perception and creativity, and enhancement of learning in other subject areas.

MUS 227. Music in Early Childhood (3) Overview of the elements of music and an introduction to singing and keyboard skills. Application of learning theories to musical development. Addresses methods, materials and evaluation.

MUS 235. Jazz Improvisation (2) Prerequisite: MUS 101-102 or consent of instructor. Development of materials and practice for improvisational skills in the jazz idiom. Open to any student with instrumental experience. Presentation in both lecture and performance format.

MUS 236. Jazz Improvisation II (2) Prerequisite: MUS 235 or consent of instructor. Materials and practices for further development of improvisational skills in the jazz idiom. Presentation in both lecture and performance format.

MUS 241-242. Class Piano II (1-1) Prerequisite: MUS 142 or consent of instructor based on placement. Recommended for all music majors who have not passed the piano proficiency examination. Two laboratory hours each week.

MUS 243. String Class (1) Prerequisite: Consent of instructor. Basic technique on violin, viola, cello, and string bass. Two laboratory hours each week.

MUS 245. Woodwind Class (1) Prerequisite: Consent of instructor. Basic technique on clarinet, flute, saxophone, oboe, and bassoon. Three laboratory hours each week.

MUS 247. Brass Class (1) Prerequisite: Consent of instructor. Basic technique on trumpet, French horn, trombone, and tuba. Two laboratory hours each week.

MUS 249. Percussion Class (1) Prerequisite: Consent of instructor. Basic technique on snare drum, timpani, mallet keyboards, and other percussion section instruments. Two laboratory hours each week.

MUS 255. Church Music Literature (3) Prerequisite: Knowledge of music fundamentals. A survey of music literature of the Western church including a study of the historical function of various musical idioms and styles.

MUS 257. Service Playing (2) Prerequisite: Permission of instructor. Practical study of service playing: organ improvisations, modulations, and related problems.

MUS 272. Italian and German Diction for Singers (2) Italian and German phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to Italian and German. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with Italian or German texts. Two and one-half hours of instruction per week.

MUS 273. French and English Diction for Singers (2) Prerequisite: MUS 272, or consent of instructor. French and English phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to French and English. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with French or English texts. Two and one half hours of instruction per week.

MUS 275, 276. Keyboard Literature I & II (3,3) Prerequisite: One year private keyboard instruction at the college level. A survey of keyboard literature in relation to contemporary pedagogical use. Historical evolution of instrument design included. 275: Beginning and intermediate keyboard literature of the 18th, 19th and 20th centuries. 276: Advanced literature of the 18th, 19th and 20th centuries.

MUS 285. Basic Conducting I (2) Prerequisite: MUS 102, MUSL 102, MUS 142. Conducting techniques, score-reading skills, issues of interpretation, and terminology. Three hours per week.

MUS 286. Basic Conducting II (2) Prerequisite: MUS 285. More advanced conducting techniques, score-reading skills, issues of interpretation, and terminology. Three hours per week.

MUS 300. Applications of Music Theory (2) Prerequisite: MUS 201 and MUSL 201. Corequisite: MUSL 300 Major analysis problems and introduction to counterpoint, arranging, and orchestration. Introduction to 20th-century materials. Three lecture hours per week.

MUSL 300. Applications of Aural and Keyboard Skills (1) Prerequisite: MUS 201 and MUSL 201. Corequisite: MUS 300. Dictation and transcription problems, sight-singing of hymns and choral works, sight-reading of instrumental works. Two laboratory hours per week.

MUS 301. Form/Analysis (3) Prerequisite: MUS 300. A study of forms common in Western music from 1600 to the present and the development of skills in analysis.

MUS 302. Modal Counterpoint (2) Prerequisite: MUS 301. A study of strict contrapuntal practice as observed in the church music of Palestrina, Lassus and other 16th-century composers. Includes writing in 2, 3, and 4 voices in imitative and non-imitative styles.

MUS 303. Tonal Counterpoint (2) Prerequisite: MUS 301. A study of contrapuntal practice as observed in the music of J.S. Bach and other 17th- and 18th-century composers. Includes analysis and composition of both invention and fugue.

MUS 306. Orchestration and Arranging (2) Prerequisite: MUS 300 and MUSL 300. Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations. (Designed for music majors.)

MUS 307. Twentieth Century Idioms (2) Prerequisite: MUS 301. An indepth study of musical practice from 1900 to the present based upon both structural and functional analysis as well as problem solving and controlled compositional exercises. Includes quartal harmonies, mixed meters, texture and timbre as musical parameters, indeterminacy and serialism.

MUS 308. Jazz Arranging (2) Prerequisite: MUS 236, 300. Arranging and scoring the jazz combo, with emphasis on contemporary styles. Presentation in both lecture and performance format.

MUS 326. Classroom Music Methods (3) Prerequisite: Junior standing in music education. Instructional planning, organization, and methodology for teaching music in the classroom; objectives, learning domains, and music learning theory. Orff, Kodaly, and Dalcroze methods, computer application, and music textbooks and materials for K-12. Includes high-school level non-performance music curriculum. One hour of field experience each week.

MUS 331. Measurement and Evaluation in Music Education (2) Prerequisite: Junior standing in music education. Measurement of musical behaviors, including music aptitude, achievement and attitudes. Test item construction, interpretation of data, and reporting of results. Descriptive statistics, standardized music tests, reliability and validity.

MUS 351, 352. Introduction to Music History I & II (3,3) Overview of music history and literature, stressing the stylistic developments of music and related social and historical events. 351: Middle Ages, Renaissance, and Baroque. 352: Classic, Romantic, and Contemporary periods.

MUS 355. Music in Religious Institutions (3) Prerequisite: MUS 255. A study of the philosophic and administrative dimensions of music in religious institutions. Topics include historical antecedents and contemporary patterns.

MUS 361, 362, 363. History of Music (2,2,2) Prerequisite: MUS 351, 352 and for 362 & 363 only, MUS 301. 361: Stylistic development of music of the Medieval and Renaissance eras. 362: music history and literature of the 17th and 18th centuries. 363: Music history and literature of the 19th and 20th centuries. MUS 364. Contemporary Music Literature (2) Prerequisite: MUS 301 and 363. A study of music from the contemporary era.

MUS 365. Modern Jazz (3) Prerequisite: MUS 116, 236. Study of jazz music and the musicians from 1940 to the present. Presentation in both lecture and performance format.

MUS 371. Instrumental Pedagogy and Literature (3) Prerequisite: Two years of college instrumental applied music. Problems, materials, and methods in teaching instruments to private students.

MUS 372. Jazz Pedagogy (3) Prerequisite: MUS 235, 285. Techniques and methods for teaching jazz, emphasizing rehearsal techniques for jazz ensembles. Lecture format and practical conducting experience with one of the university's jazz ensembles.

MUS 373. Instrumental Methods (3) Prerequisite: Junior standing in music education. Instructional planning, organization, objectives, and methodology for teaching in an ensemble setting from elementary through high school level. Rehearsal design and procedure. Comprehensive musicianship, class method books and repertoire, computer applications, marching band techniques, and program management. Field experiences required.

MUS 375. Piano Pedagogy I (3) Prerequisite: Two years of private piano instruction at college level. Problems, materials, and methods and teaching beginning piano to children.

MUS 376. Piano Pedagogy II (3) Prerequisite: Two years of private piano instruction at college level. Problems, materials, and methods in teaching piano to older students of high school and early college age.

MUS 377. Choral Methods (3) Prerequisite: MUS 285, 286, and consent of instructor. Goals, objectives, methodology, and assessment procedures for teaching choral music. Topics may include repertoire and programming, learning theory applied to choral rehearsal, group vocal training techniques, rehearsal procedures, and program management strategies.

MUS 379. Vocal Pedagogy and Literature (3) Prerequisite: Two years of college vocal study. Basic procedures for teaching voice, including voice building and classification; materials and standard literature for solo voice.

MUS 383. Chamber Singers (1) Prerequisite: Minimum of three previous semesters of MUS 183 or 186 and auditions by director. The singers study and perform the gamut of repertoire for smaller choir. May be repeated with accumulative credit limited to four semester hours. Three rehearsal hours per week.

MUS 384. Jazz Ensemble (1) Prerequisite: Minimum of three semesters of UNCW instrumental ensemble and auditions by director. The study and performance of jazz techniques and interpretation of popular styles in large or small ensemble. Accumulative credit limited to four semester hours.

MUS 385. Wind Ensemble (1) Prerequisite: Minimum of three semesters of MUS 184 or 185. Study and performance of music from the band repertoire, including a broad variety of styles, composers, and nationalities. Meets a minimum of two hours each week. Accumulative credit limited to four semester hours.

MUS 386. Concert Choir (1) Prerequisite: Minimum of three semesters of MUS 183 or 186 and consent of instructor. The singers study and perform repertoire of various historical periods and styles appropriate for large chorus. Accumulative credit limited to four semester hours.

MUS 387. Orchestra (1) Prerequisite: Minimum of three semesters in MUS 184, 185 or 187 and auditions by director. Study and performance of the orchestral literature performed with the Wilmington Symphony Orchestra, which meets for a minimum of two hours per week and gives an average of six performances per year. Accumulative credit limited to four semester hours.

MUS 393. Junior Recital (1) Prerequisite: Consent of faculty. A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty. May be repeated once for credit.

MUS 395. Upper Level Applied Music, Private Lessons (1) Prerequisite: Consent of Music Division Coordinator. One half hour lesson per week. Requires a minimum of five practice hours per week. May be repeated for credit. (Course is restricted to selected upper division music majors.)

Baritone Horn	Harpsichord	Trombone
Bassoon	Oboe	Trumpet
Cello	Organ	Tuba
Clarinet	Percussion	Viola
Classical Guitar	Piano	Violin
Flute and Piccolo	Saxophone	Voice
French Horn	String Bass	

MUS 396. Upper Level Applied Music, Private Lessons (2) Prerequisite: Consent of Music Division Coordinator. One hour lesson per week. Requires a minimum of 10 practice hours per week. May be repeated for credit (instruments as indicated in MUS 395.) (Course is restricted to selected upper division music majors.)

MUS 397. Upper Level Applied Music, Private Lessons (3) Prerequisite: Consent of Music Division Coordinator. One hour lesson per week. Requires a minimum of 15 practice hours per week. May be repeated for credit (instruments as indicated in MUS 395.) (Course is restricted to selected upper division music majors.)

MUS 403. Advanced Composition (3) Prerequisite: MUS 203 and consent of instructor. Music majors only. Advanced study of compositional techniques through direct application in original compositions. One hour seminar each week plus private instruction. Accumulative credit.

MUS 475. Practicum in Applied Teaching (1) Prerequisite: MUS 371, or 375-376, or 379. Students will develop and implement a private studio under the guidance of a faculty member.

MUS 485. Advanced Conducting (2) Prerequisite: MUS 285, 286, and consent of instructor Choral or instrumental conducting techniques. Students work with the appropriate ensemble using selected literature, e.g. orchestral, wind ensemble, jazz ensemble, choral ensemble, for the various media. (Enrollment restricted to availability of laboratory ensembles and to students of exceptional background and aptitude in the field of conducting.)

MUS 490. Thesis (1) A research thesis in a subject to be determined in consultation with the music faculty during the semester preceding the taking of this course.

MUS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

MUS 493. Senior Recital (1) Prerequisite: Consent of the music faculty. A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficultly. May be repeated once for credit.

MUS 495. Seminar in Music (1-3) Prerequisite: Junior standing. Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.

MUS 496. Senior Seminar in Music (3) Prerequisite: Senior standing in General Music program. Synthesis and application to specific topics of skills drawn from previous musical study. Topics vary according to class and professor's interests. May be repeated under a different subtitle.

MUS 498. Internship in Music (3 or 6) Prerequisite: Junior or Senior standing, and permission of chair. Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

MUS 499. Honors Work in Music (2-3) Prerequisite: Eligibility for honors program, and junior or senior standing. Independent study for honor students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Nursing Course Descriptions

(School of Nursing)

NSG 200. Introduction to Professional Nursing (2) Prerequisite: Admission to the School of Nursing. Corequisite: NSG 200-51. An introduction to concepts and techniques of professional nursing practice. Includes concepts of nursing process, role, health, illness, communication, self-awareness, growth and development, responsibility and accountability, change, needs, client teaching, leadership, prevention, and nursing research. Selected basic nursing techniques associated with these concepts are practiced in the Simulation Laboratory. Three lecture and 10 simulation laboratory hours each week (summer session).

NSG 200-51. Introduction to Professional Nursing Laboratory (1) Prerequisite: Admission to the School of Nursing. Corequisite: NSG 200. Provides the opportunity for clinical application of the introductory concepts and techniques of professional nursing practices which are taught in NSG 200. Students apply these concepts with individual adult clients in various stages of health. Ten hours clinical laboratory each week (summer session).

NSG 215. Foundations for Contemporary Nursing Practice (3) Prerequisite: Sophomore status. A foundation for nursing practice is provided through an examination of the historical development of nursing. The legal, ethical, professional and theoretical frameworks for practice are discussed. Nursing roles and functions are examined. Nursing theories are introduced as students define their own concepts of health, nursing, individual and society. Current issues in nursing and health care are explored.

NSG 216. Contemporary Issues in Nursing Practice (2) Prerequisite: Sophomore status. With successful completion the student is awarded 24 placement hours. A seminar course for registered nurses provides the focus for the examination of contemporary issues in nursing practice for clients across the life span. Selected theories are used as frameworks for examing nursing practice issues in adult, maternal-child and mental health. The students will also discuss issues related to nurses returning to school for continued professional education.

NSG 300. Nursing Process I (5) Prerequisite: NSG 200, 200-51, 215. Corequisite: NSG 300-51, 301, 310. Focuses on utilization of the nursing process with families, incorporating communication patterns, family development and the professional nurse's role in primary prevention with families. Basic research findings are incorporated and additional nursing techniques are acquired. Beginning concepts of secondary prevention are introduced. Five hours each week.

NSG 300-51. Nursing Process I Laboratory (4) Prerequisite: NSG 200, 200-51, 215. Corequisite: NSG 300, 301. Provides the opportunity for clinical application of the concepts and techniques which are taught in NSG 300, NSG 301 and NSG 301-51. The nursing process is used with families in all phases of the life cycle, focusing on primary prevention. Selected secondary prevention related to screening in healthy populations is implemented. Twelve hours clinical laboratory each week.

NSG 301. Introduction Health Assessment (2) Prerequisite: NSG 200, 200-51 Corequisite: NSG 215. An introduction to the concepts and techniques of health assessment including interviewing and history-taking, developmental assessment, psychosocial assessment, and physical assessment. Nursing process provides the major framework for focusing on assessment of individual adults and identifying opportunities for primary prevention. Assessment techniques are practiced in the Simulation Laboratory.

NSG 301. Introduction Health Assessment (2) Corequisite: NSG 215, NSG 301-51 (RN Only). An introduction to the concepts and techniques of health assessment including interviewing and history-taking, developmental assessment, psychosocial assessment, and physical assessment. Nursing process provides the major framework for focusing on assessment of individual adults and identifying opportunities for primary prevention. Assessment techniques are practiced in the Simulation Laboratory. Three lecture and 10 simulation laboratory hours each week (summer session).

NSG 301-51. Introduction to Health Assessment Laboratory (1) Corequisite: NSG 301. Provides the opportunity for clinical application of introductory concepts and techniques of health assessment which are taught in NSG 301. Assessments are performed with individual adult and geriatric clients in various stages of health. Thirteen hours clinical laboratory each week (summer session)

NSG 310. Interactions in Nursing Practice I (3) Prerequisite: NSG 200, 200-51. Prerequisite or Corequisite: NSG 300, 300-51, 301. Emphasizes elements of the teaching-learning process and related principles of change, decision-making, communication and assertiveness. Selected literature is reviewed, as a teaching project is implemented with a designated family.

NSG 345. Health Maintenance Needs of Young Children (2) Prerequisite: PSY 220, HEA 201, HEA 207. Corequisite: SOC 349, NSG 345-51. Focuses on health maintenance needs of young children (birth through kindergarten). From the prospective of teachers and caretakers, it addresses activities of daily living, environmental safety, common health problems and infection control within community day care and preschool settings. This course is designed for non-nursing majors.

NSG 345-51. Health Maintenance Needs of Young Children Laboratory (1) Prerequisite: PSY 220, HEA 201, HEA 207. Corequisite: SOC 349, NSG 345. Provides students opportunity to work in a variety of child care settings with a specific focus on health maintenance of young children and their families. They will practice child care skills and experience ways in which the dependency needs of children (birth through kindergarten) are managed by staff members in community settings while maintaining a healthy safe environment. This course is designed for non-nursing majors.

NSG 350. Nursing Process II (5) Prerequisite: NSG 300, 300-51, 301, 310. Corequisite: NSG 350-51. Focuses on utilization of the nursing process with families who have a member in an acute care setting. A foundation is developed for secondary prevention, including pathophysiology, psychopathology, relevant theories and research, and nursing roles and functions. Additional nursing techniques needed for secondary prevention are required.

NSG 350-51. Nursing Process II Laboratory (3) Prerequisite: NSG 300, 300-51, 301, 310. Corequisite: NSG 350. Provides the opportunity for clinical application of the concepts and techniques taught in NSG 350. The nursing process is used with families who have a member in an acute care setting, focusing on secondary prevention. Nine hours clinical laboratory each week.

NSG 360. Interactions in Nursing Practice II (2) Prerequisite: NSG 310. Corequisite: NSG 350, 350-51. Emphasizes elements of group process and related principles of decision-making, change, collaboration, leadership, and conflict resolution. A self-inventory of characteristics necessary in leadership is conducted; strengths and weaknesses are analyzed. Teaching-learning principles are applied with a group of clients.

NSG 389. Family Health Nursing (4) Prerequisites: NSG 215, 216, 301, and 301-51. Corequisite: NSG 389-51. Focuses on using the nursing process with families in all phases of the life cycle. Incorporates communication patterns, family development and prevention. A clinical framework is developed from relevant theories and research. Nursing roles of career provider, coordinator, client teacher and advocate are explored. Responsibility and accountability for interactions with families are emphasized as the need for change within family and health care delivery systems is identified.

NSG 389-51. Family Health Nursing Practicum (2) Prerequisite: NSG 215, 301, 301-51. Corequisite: NSG 389. Provides the opportunity for clinical application of concepts and techniques taught in NSG 389. The nursing process is used with families during all phases of the life cycle in community and acute care setting. Six hours clinical laboratory each week.

NSG 400. Nursing Process III (4) Prerequisite: NSG 350, 350-51, 360. Corequisite: NSG 400-51. Focuses on utilization of the nursing process with families who have a member in a critical care setting and development of a framework for more advanced secondary prevention. Beginning concepts of tertiary prevention are introduced and additional nursing techniques pertaining to advanced secondary prevention are acquired.

NSG 400-51. Nursing Process III Laboratory (3) Prerequisite: NSG 350, 350-51, 360. Corequisite: NSG 400. Provides the opportunity for clinical application of the advanced secondary prevention concepts and techniques which are taught in NSG 400. The nursing process is utilized with families who have a member experiencing a life-threatening illness or crisis. Nine hours clinical laboratory each week.

NSG 410. Interactions in Nursing Practice III (3) Prerequisite: NSG 350, 350-51, 360. Corequisite: NSG 400, 400-51. Prerequisite or Corequisite: NSG 389, 389-51, 415. Emphasizes elements of community assessment and related principles of epidemiology, health

planning, social and political change, environmental management, and levels of prevention. Community resources and data sources are incorporated into the implementation of an assessment for a selected community.

NSG 415. Research in Nursing (2) Prerequisite: STT 210, NSG 350, 350-51, 360. Prerequisite or Corequisite NSG 389, 389-51, 410. Examines research process as applied to nursing. Research terminology, methodology, and applicability of research findings for clinical practice are emphasized. Computer uses and ethical decision-making are incorporated. Principles of research are applied in developing a preliminary proposal for a nursing research project of limited scope.

NSG 416. Research Practicum (1) Implementation of research proposal from NSG 415.

NSG 420. Leadership in the Health Care Delivery System (3) Organizational, human resource and fiscal management, leadership and health care policy theories lay the foundation for leadership and management for the professional nurse. A seminar format will be used to explore the impact of the selected theories for the professional nurse.

NSG 420-51. Leadership in the Health Care Delivery System Practicum (2) Provides the opportunity for the clinical application of the theories and concepts of leadership and management in health care systems. Individualized clinical placement will facilitate student application of concepts. The practicum will be negotiated with the clinical instructor. (Six hours of clinical laboratory each week).

NSG 450. Nursing Process IV (5) Prerequisite: NSG 400, 400-51, 410. Corequisite: NSG 450-51. Focuses on the utilization of the nursing process with individuals, families, and groups who have complex health needs. A conceptual framework for clinical practice based on related beliefs, theories, and research is developed, and provides the foundation for the role of the nurse in tertiary prevention.

NSG 450-51. Nursing Process IV Laboratory (3) Prerequisite: NSG 400, 400-51, 410. Corequisite: NSG 450. Provides the opportunity for the clinical application of concepts and techniques taught in NSG 450 and NSG 460. The nursing process is utilized with individuals, families, and groups who have complex health needs, and the student assumes responsibility for coordinating or directing the care of a group of clients. Nine hours clinical laboratory each week.

NSG 460. Interaction in Nursing Practice IV (3) Prerequisite: NSG 400, 400-51, 410, 415. Corequisite: NSG 450, 450-51, 490. A seminar focusing on nursing leadership and management for the professional nurse. Included are: related concepts and theories of organization, change, power and authority, and role development; models of nursing care delivery; legal ramifications of delegation; models of quality assurance; computer applications in nursing management; and transitional issues for the graduate.

NSG 489. Advanced Theoretical Basis of Chronic Care (3) The course focuses on using the nursing process with individuals, families, and groups with complex health needs. Theory and relevant research related to chronic care will aid in the completion of the conceptual framework for clinical practice. Advanced concepts of tertiary care including rehabilitation, compliance, long term care and chronic pain management provide the foundation for the role of the nurse. Health care issues related to tertiary prevention are analyzed.

NSG 489-51. Advanced Theoretical Basis of Chronic Care Practicum (3) This course provides the opportunity for the clinical application of advanced theories and concepts related to chronic care as taught in NSG 489. The student's clinical organizing framework is implemented as the nursing process is used with individuals, families, and groups who have

complex chronic health needs. The student assumes responsibility in coordinating or directing the care of a group of clients. Nine hours of clinical laboratory each week.

NSG 490. Advanced Nursing Practicum (1) Prerequisite: NSG 400, 400-51, 410, 415. Corequisites: NSG 460. Provides the opportunity for clinical application of the nursing process to a selected area of nursing practice as the student integrates the concepts of research, prevention, and change into a clinical project. Emphasis on further development of nursing skills, knowledge and leadership and establishing collegial relationships. Three hours clinical practicum each week.

NSG 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing; consent of instructor; NSG 300, 300-51, or NSG 389, 389-51. A maximum of six hours will apply toward graduation.

NSG 492. Men's Health Maintenance: Issues and Strategies (3) The exploration of contemporary health problems: Issues and strategies common to self care, with emphasis on prevention and health maintenance.

NSG 495. Selected Topics in Nursing (1-3) Prerequisite: Nursing student with junior or senior standing, or registered nurse with baccalaureate degree in nursing, consent of the instructor, and approval of the Level III Coordinator. Selected topics in nursing. A maximum of three hours will apply toward graduation.

NSG 495. Nursing in Barbados (1993) (2) A course designed for upper level nursing majors and registered nurses to study the culture and health care of Barbados. Students will have an indepth study of the political, social, economic, religious, educational, governmental, and health care systems. They will examine the history, traditions, customs, and practices of the Bajan people.

NSG 495-51. Selected Topics in Clinical Nursing (1-3) Prerequisite: Nursing student with junior or senior standing, or registered nurse with baccalaureate degree in nursing, consent of the instructor, and approval of the Level III Coordinator. Selected topics in clinical nursing. A maximum of three hours will apply toward graduation.

NSG 495-51. Nursing in Barbados (1993) (3) A course designed for upper level nursing majors and registered nurses to study the culture and health care of Barbados. Students will participate in the care of clients in a hospital and polyclinic in Bridgetown. The focus of the experience will be to understand the culture, health care system, and society for the Bajan people.

NSG 499. Honors Work in Nursing (2-3) Prerequisite: Eligibility for honors program; NSG 300, 300-51 or NSG 389, 389-51. Individual study for honors students.

Philosophy Course Descriptions

(Department of Philosophy and Religion)

P&R 101. Invitation to Philosophical Thinking (3) An introduction to various philosophers and philosophical problems from historical, critical, and other perspectives.

P&R 110. Introduction to Logic (3) Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

P&R 115. Introduction to Ethics (3) An introduction to fundamental principles, theories, and problems in ethics.

P&R 201. History of Western Philosophy I (3) A survey of Western philosophical thought in ancient and medieval times. Emphasis on the Greek origins of the philosophical tradition. Readings from the Pre-Socratics, Plato, Aristotle, Roman philosophy and such Christian thinkers as Augustine and Thomas Aquinas.

P&R 202. History of Western Philosophy II (3) A survey of Western philosophical thought from the beginning of the modern era to the present. Emphasis on the rationalist and empiricist traditions. Readings from such philosophers as Descartes, Spinoza, Locke, Hume, Kant and Russell.

P&R 205. American Philosophy (3) A survey of American philosophical thought from colonial times to the present. Readings from such American thinkers as Jonathan Edwards, the Federalist authors, Thoreau, James, Dewey and Quine.

P&R 211. Philosophy of Human Nature (3) A survey of past and present theories of human nature; oriented toward issues in education and human development.

P&R 213. Existentialism (3) An introduction to major themes in existential thought such as freedom, authenticity, death of God, the meaning of life. Primary source readings from existential authors, e.g., Kierkegaard, Nietzsche, Heidegger, Sartre, Marcel.

P&R 215. Bioethics (3) Examination of the principles and problems in the application of ethical theory to medical research and practice.

P&R 216. Business Ethics (3) An examination of the principles and problems in the application of ethical theory to administrative and management practice.

P&R 217. Military Ethics (3) An examination of the application of ethical theory to the military profession and the practice of war.

P&R 218. Symbolic Logic (3) Fundamentals of an axiomatic logical system, including both the propositional calculus and the predicate calculus, consistency and completeness proofs, and mathematical induction.

P&R 220. Philosophy & Science Fiction (3) A survey of the major philosophical themes explored in contemporary science fiction. Topics covered include the nature and limits of science and technology, human nature, and the viability of alternative political arrangements. The emphasis will be on learning to identify the philosophical themes that underlie much of contemporary science fiction and to use these to develop a better understanding of the modern world. Readings will include both fiction and contemporary philosophy.

P&R 302. Plato (3) Prerequisite: P&R 101 or 201. Study of the Dialogues of Plato. Analysis of texts; contemporary interpretations.

P&R 303. Aristotle (3) Prerequisite: P&R 101 or 201. An examination of Aristotle's philosophy through selected texts, supplemented with contemporary criticisms. Aristotle's criticisms of Plato; problems of interpretation.

P&R 305. Medieval Philosophy (3) A survey of Islamic, Jewish and Christian philosophical thought in medieval times. Readings from such thinkers as Augustine, Avicenna, Averroes, Maimonides and Thomas Aquinas.

P&R 310. (PLS 310) Legal Philosophy and Jurisprudence (3) Prerequisite: Junior standing and/or the consent of instructor. An introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include: natural law; historical, analytical and sociological jurisprudence; idealism, utilitarianism and legal realism; equity, justice, precedent, custom and law, and the relation of law and morality.

P&R 313. Social and Political Philosophy (3) Prerequisite: P&R 101, 115, or consent of instructor. An exploration of philosophical issues and concepts central to an understanding of social and political life; e.g., function and cause, justice, liberty, equality, societal facts and laws, utopias, reason and political argument, political obligation and the public interest.

P&R 316. The Philosophy of Art (3) Prerequisite: P&R 101 or consent of instructor. Investigation and exploration into both traditional and contemporary theories regarding the philosophy of art and its associated problems. Visual Arts, such as painting, sculpture, film, etc., will be examined.

P&R 317. Epistemology (3) Prerequisite: P&R 101 or 201-202. Fundamental issues in theory of knowledge: nature of knowledge; reasoning, judgement; truth, certainty and probability.

P&R 318. Metaphysics (3) Prerequisite: P&R 101 or 201-202. Fundamental issues and positions concerning the nature of reality: theories of being, substance, causality.

P&R 320. Philosophy of Mind (3) Prerequisite: P&R 101 or consent of instructor. Selected readings drawn from classical and/or contemporary sources bearing on problems of the self, such as the issue of personal identity and the concept of a person, the problem of the relation of mind and body and the question of the nature of consciousness.

P&R 340. Philosophy of Religion (3) Prerequisite: P&R 101. Examination of the basic problems found in Western philosophy concerning religion, including efforts to prove the existence of God, the role of faith and reason, the problem of evil, immortality, religious experience, religious language, and religious pluralism.

P&R 345. Philosophy of Science (3) Prerequisite: P&R 101 or consent of instructor. Fundamental issues in the philosophy of science; the nature of scientific method; modes of verification and the role of paradigms.

P&R 360. Philosophy of Evolution (3) Prerequisite: P&R 101 or consent of instructor. Examination of philosophical issues found in the study of evolution: origins of the theory; impact on science; methodology of Darwinian and contemporary evolutionary studies; concepts of species, natural selection and adaptation and its mechanisms; application of evolutionary theory of human culture; and debates over creationism and sociobiology.

P&R 400. Colloquium for Majors (3) Prerequisite: Junior or senior standing. An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors in junior or senior year; open to qualified non-majors.

P&R 401. The Philosophy of Immanuel Kant (3) Prerequisite: P&R 101 or 202. An examination of the thought and influence of Kant in his three great critiques, especially the first, the Critique of Pure Reason, as well as in his Groundwork of the Metaphysics of Morals.

P&R 405. Contemporary Philosophical Thought (3) Prerequisite: P&R 101 or 202. Primary source study of the various philosophers of the 20th century, representing the major schools or movements.

P&R 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

P&R 495. Seminar (1-3) Prerequisite: Credit in philosophy and religion and consent of department. Research of selected philosophic and/or religious problems. Three hours each week.

P&R 499. Honors Work in Philosophy (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Religion Course Descriptions

(Department of Philosophy and Religion)

P&R 103. Introduction to Religion (3) Religion as a field of study; major modes of religious expression; chief issues in religious thought and experience; the search for method since the Enlightenment critique; contemporary developments.

P&R 125. Great Books of the World's Religions (3) Selections from classic writings of both Western and Eastern religions, including Hebrew Bible, the New Testament, the Qur'an, and Buddhist and Hindu scriptures. Examination of their central ideas and values as well as their development and acceptance as sacred scriptures.

P&R 140. Research Tools for Historical and Textual Criticism—Hebrew (3) Basic study of the Hebrew language with special attention to that of the Old Testament.

P&R 141. Research Tools for Historical and Textual Criticism—Greek (3) Basic study of the Greek language with special attention to that of the New Testament.

P&R 230. Judaism, Christianity and Islam (3) Survey of the three major Abrahamic faiths; the origins, beliefs and practices of these "people of the Book;" history of their interactions and influence on Western culture.

P&R 231. Primitive and Classical Religions (3) A survey of primitive religion as revealed both in archaeological research and remaining primitive customs; examination of classical faiths of Egypt, Mesopotamia and ancient Europe.

P&R 232. Asian Religions (3) A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

P&R 235. Introduction to the Old Testament (3) Historical study of the Hebrew scriptures and their cultural background; focus on the values, problems, and perceptions of the human condition reflected in these texts and archaeological data related to them.

P&R 236. Introduction to the New Testament (3) Historical survey of the canonical Christian literature; illustration of contemporary methods of text-criticism, literary-criticism, form-criticism, and redaction-criticism; focus on results of modern scholarship in appreciating the Gospels and their function in the early Christian community.

P&R 238. History of Christianity I: Early and Medieval (3) Survey of the basic development of the Christian church from its foundation to the Protestant Reformation. Emphasis on major thinkers and pivotal events that determined the historical trends.

P&R 240. History of Christianity II: Modern (3) Survey of the history of Christianity from the Reformation to the present. Accent on the contributions of the chief theologians and the particular problems raised by "modernity" since the 17th century.

P&R 242. Religion in America (3) Survey of religious thought and experience from colonial times to the present; representative Protestant, Catholic, and Jewish leaders; native American and black American traditions; religious reform and revivalism.

P&R 243. Afro-American Religion (3) Study of the religious life of black Americancommunities, with concentration on independent traditions, sects, and a sampling of major thinkers and issues.

P&R 245. Judaism (3) Introduction to religious beliefs, rituals and traditions of Judaism. Examination of its historical background and contemporary significance.

P&R 246. Islam (3) Introduction to religious beliefs, rituals and traditions of Islam. Examination of its historical background and contemporary significance.

P&R 247. Hinduism (3) A survey of Hindu religion and philosophy over its three thousand year history. Examines myths, philosophies, rituals, meditation teachings, and social thought.

P&R 248. Buddhism (3) Survey of the essentials of Buddhism as seen in ethical and social thought, meditation practices, philosophies, rituals and art.

P&R 255. Historical Geography of Middle East (Biblical Era) (3) Prerequisite: GGY 145 or P&R 235 or consent of instructor. Geographical, archaeological, historical, and geological investigation of the physical environment and cultural landscapes that provide the settings for the evolution of the population, economics, and cultures of Southwestern Asia.

P&R 325. Psychology of Religion (3) Prerequisite: P&R 103 or consent of instructor. Selected readings on the nature and types of religious experience, and on theories of personality and consciousness as they relate to religion. Examination of the writings of Freud, Jung, and others.

P&R 334. Old Testament Literature (3) Analysis and interpretation of a particular part of the Hebrew Scriptures. Topics will vary from one course offering to another. (The Torah; the Prophets; the Writings).

P&R 336. New Testament Literature (3) Analysis and interpretation of a particular part of the New Testament. Topics will vary from one course offering to another. (The Gospels; the Acts of the Apostles; the Johannine works; the Letters of Paul).

P&R 337. Apocrypha and Pseudepigrapha (3) Prerequisite: P&R 235 or 236. Analysis of the major Jewish and Christian writings related to but excluded from the Bible, including histories, apocalypses, testaments, prayers, moral tales, and wisdom books.

P&R 340. Philosophy of Religion (3) Prerequisite: P&R 101 or 103. Examination of the basic problems found in Western Philosophy concerning religion, including efforts to prove the existence of God, the role of faith and reason, the problem of evil, immortality, religious experience, religious language, and religious pluralism.

P&R 350. Native American Religious Traditions (3) Prerequisite: P&R 103 or 242. Examination of the religious traditions of native peoples of North America with a focus on beliefs, rituals, and contemporary developments.

P&R 351. (HST 351) Religion in Early America (3) Prerequisite: P&R 242 or HST 201. Examination of the role and significance of religion in early American culture and society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.

P&R 353. Religious Reform in Modern America (3) Prerequisite: P&R 103 or consent of instructor. Examination of religious thought and action concerning social change in modern America. Topics include urban revivalism, labor, civil rights, and peace movements. Specific attention given to differing interpretations of scripture, church teachings, and religious identity.

P&R 355. Southern Religion (3) Prerequisite: P&R 103 or consent of instructor. Study of religion in the Old and New South. Topics include native American religious traditions, religious practices of blacks and whites, evangelicalism and fundamentalism, church involvement in political and social issues.

P&R 400. Colloquium for Majors (3) Prerequisite: Junior and senior standing. An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors.

P&R 421. Contemporary Religious Thought (3) Prerequisite: P&R 103. Primary source study of principal religious thinkers of 20th century, especially within Judaism and Christianity.

P&R 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

P&R 495. Seminar (1-3) Prerequisite: Credit in philosophy and religion and consent of department. Research of selected philosophic and/or religious problems.

P&R 499. Honors Work in Philosophy (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Production and Decision Sciences Course Descriptions

(Department of Production and Decision Sciences)

PDS 105. Basic Computer Applications for Business (3) An introduction to computer processing using popular software for spreadsheets, word processing, and other software. Competence will be stressed; simple access and use of software packages will not be sufficient. Microcomputer hardware and history will be presented.

PDS 217. Statistical Analysis for Business and Economics (3) Prerequisite: MAT 111 or 115. Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

PDS 313. Introduction to Management Information Systems (3) Prerequisite: ACG 201 and MGT 350. Introduction to the nature, role and implementation of information systems in organizations. Topics include specification of information requirements in the functional areas of organizations, and implementation considerations important to both the MIS manager and the non-MIS manager.

PDS 314. Introduction to Management Science (3) Prerequisite: MAT 151, and PDS 217. Deterministic and probabilistic models applied to economics and business decision. Topics include linear programming, network analysis, and decision theory. Emphasis on quantitative techniques and how they can be applied and interpreted by managers. Computer applications introduced.

PDS 315. Management of Database Systems (3) Prerequisite: PDS 217 and 313. Study of database structure, development, and implementation. Topics include hierarchical, network, and relational database organization; data dictionary; normalization; queries; and report generation.

PDS 316. Computer Concepts and Applications (3) Prerequisite: PDS 313. Introduction to applications software development. Laboratory projects focus on the development of applications using third and fourth generation programming languages.

PDS 317. Production and Operations Management I (3) Prerequisite: PDS 314 and MGT 350. Analysis of concepts, tools, and techniques used to control manufacturing and service operations. Topics include PERT/CPM, forecasting, materials management, inventory control, facility layout/location, and quality management. Particular attention is directed to the study of production process alternatives.

PDS 318. Advanced Statistical Analysis for Management (3) Prerequisite: PDS 217. Statistical inference as applied to management decision making. Topics include linear and non-linear regression models, analysis of variance and covariance, time series analysis, experimental design, and nonparametric statistical techniques. Applications require the use of computer-based statistical analysis programs.

PDS 319. Quality Control (3) Prerequisite: PDS 317. An introduction to the quantitative and qualitative concepts used in the control of quality, in both the manufacturing and service environments. Emphasis placed on the statistical tools used in process control and acceptance sampling, along with extensive computer examples and exercises.

PDS 413. Management Information Systems Development (3) Prerequisite: PDS 313. Corequisite: PDS 315. Examination of the systems development life cycle and structured systems analysis and design techniques. Application of selected techniques, including the use of CASE software, through student projects.

PDS 414. Introduction to Business Simulation (3) Prerequisite: PDS 317. Introduction to simulation models as tools in the analysis of business problems. Discrete event simulation models for production and service systems are introduced through the use of a computer simulation language.

PDS 415. Decision Support Systems (3) Corequisite: PDS 413. Examination of the process of specifying and implementing decision support systems in organizations. Topics include an overview of current uses of artificial intelligence and expert systems in the business environment.

PDS 417. Production and Operations Management II (3) Prerequisite: PDS 317. Further study in the design, management and control of manufacturing and service operations. Topics include logistics management, capacity planning, scheduling, just-in-time, optimized production techniques and quality assurance. Emphasis on the use of computers to analyze complex operations management case problems.

PDS 418. Business and Economic Forecasting (3) Prerequisite: PDS 318 and consent of instructor. Development of an approach to forecasting through the study of time-series techniques including moving averages, exponential smoothing, regression, and Box-Jenkins.

PDS 419. Materials Management (3) Prerequisite: PDS 317. A detailed analysis of the materials management function in both domestic and international manufacturing and service organizations with emphasis on purchasing, physical distribution, master production scheduling, management of physical inventories, materials handling, and computer applications.

PDS 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

PDS 495. Seminar in Business Systems (3) Prerequisites: Senior standing, PDS 313 and PDS 314. Special topics of interest to business systems majors.

PDS 498. Business Systems Internship (3) Prerequisite: Senior status and consent of faculty supervisor. Involves the application of quantitative and systems skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

PDS 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Physical Education Course Descriptions

(Department of Health, Physical Education and Recreation)

PED 101. Foundations of Physical Activity (2) Study of immediate and long-term effects of physical activity and establishment of individualized programs for acquiring and maintaining physical fitness. One lecture and two hours of activity each week.

PED 103. (REC 103) Physical Education Activity - Program of Outdoor Pursuits(3) Prerequisite: PED 101 or equivalent. Study of and participation in the skills and knowledge of various outdoor recreational activities in a natural setting. Minimum of 10 one-hour lecture sessions and a minimum of 11 excursion days. Travel and subsistence costs for activities borne by the student. (Non-majors may repeat PED 103, in a different activity area, only once.)

PED 104. Scuba (2) Prerequisite: Proficiency in swimming skills. History, theory, and principles of scuba diving. Hyperbaric physiology; equipment development, use and maintenance; development of diving skills and diving safety. Meets certification requirements for all national certifying agencies to the open water level.

PED 105. Lifeguard Training (1) Prerequisite: Current certification in CPR and First Aid. Trains and certifies for American Red Cross Lifeguard Training.

PED 106. Beginning Swimming (1) Designed to teach one how to swim and to instruct the basic strokes including front crawl stroke, backstroke, breaststroke, sidestroke, elementary backstroke as well as survival swimming.

PED 107. Intermediate Swimming (1) Designed to develop competency in basic swimming strokes of front crawl stroke, backstroke, breaststroke, sidestroke and elementary backstroke as well as basic skills of water safety and lifesaving.

PED 108. Advanced Swimming (1) Emphasis on developing competencies in basic swimming strokes of front crawl, backstroke, breaststroke, sidestroke, elementary backstroke; turns; develop skill in lifesaving techniques, water safety and cardiovascular conditioning.

PED 109. Water Safety (1) Prerequisite: Possess current Red Cross Emergency Water Safety or Lifeguard Training Certificate. Designed to instruct students how to teach others the various skills and courses offered in the American Red Cross Swimming Programs.

PED 110. Archery (1) Basic techniques and knowledge of target archery. Two hours each week.

PED 111. Beginning Tennis (1) Study of and participation in basic tennis skills including serve, volley, and ground strokes. Emphasis on improving proficiency in techniques and mechanics. Two hours each week.

PED 112. Intermediate Tennis (1) Study and participation in advanced tennis skills and knowledge of the various techniques and tactics, including application of mechanics and strategies. Two hours each week.

PED 113. Golf (1) Skills and knowledge of golf, including basic swing as well as rules and basic terms. Two hours each week.

PED 114. Bowling (1) Instruction and practice in the basic skills of bowling. Two hours each week. Fee.

PED 115. Weight Training (1) Knowledge, technique, and safety procedures of weight training and related activities. Two hours each week.

PED 116. Beginning Racquetball (1) Basic racquetball terminology, scoring and game procedures, including rules, court position, and basic strokes. Two hours each week.

PED 117. Intermediate Racquetball (1) Development of racquetball shots, game strategy, patterns of play, and defensive and offensive returns. Two hours each week.

PED 118. Beginning Racquetball - Tennis (1) Basic terminology, scoring, rules, court position, and strokes of racquetball and tennis. Two hours each week.

PED 119. Badminton-Tennis (1) Basic terminology, scoring, rules, court position, and strokes of badminton and tennis. Two hours each week.

PED 120. Aerobic Dance (1) Cardiovascular fitness program which incorporates physiologically safe dance and exercise movements to music. Intended to develop strength, flexibility, and improve cardiorespiratory efficiency. Two hours each week.

PED 121. Soccer (1) Instruction and participation in the basic skills, strategy and application of rules of soccer. Experiences will include indoor soccer, small-sided games, full-sided matches, video sessions and lecture session. Two hours each week.

PED 122. Volleyball (1) Instruction and participation in the basic skills, strategy and application of rules of volleyball. Two hours each week.

PED 123. Physical Conditioning (1) A personal physical conditioning program including systems of fitness emphasizing circuit training, interval training, and calisthenics. Two hours each week.

PED 124. Basic Canoeing (1) Introduction to theory, navigation rules, equipment, and basic skills of canoeing. Emphasis on safety and practice of canoeing on flat water. Two hours each week.

PED 125. Basic Sailboarding (1) Introduction to theory, navigation rules, equipment, and basic skills of sailboarding. Emphasis on safety and practice of sailing skills. Two hours each week.

PED 126. Snow Skiing (1) Knowledge, safety, conditioning, and basic skills of snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)

PED 127. Motor Boat Operation (1) Prerequisite: Permission of instructor. Introduction to theory, navigation, navigation rules, safety, weather, fire, rescue and seamanship involved in motor boating. Successful completion results in certification by the National Association of State Boating Law Administrators.

PED 134. (FNA 134) Dance Techniques (I) Basic dance technique on a beginner level, including ballet and modern dance. Accumulative credit limited to 4 semester hours.

PED 136. (FNA 136) Movement Exploration (3) Study through creative dance techniques of the body's potential as a tool for creative expression, exploration of the relationship as a tool for creative expression, exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as material for movement improvisation and composition. No dance training necessary.

PED 200. Lifelong Physical Education Programming - Dance and Gymnastics (3) Development and enhancement of the knowledge and skills necessary for designing traditional and lifelong dance and gymnastics physical education programs.

PED 201. Lifelong Physical Education Programming- Individual and Dual (3) Development and enhancement of knowledge and skills necessary for the designing of traditional and lifelong individual and dual physical education programs.

PED 202. Lifelong Physical Education Programming - Team (3) Development and enhancement of knowledge and skills necessary for the designing of traditional and lifelong team physical education programs.

PED 206. Social, Folk, and Square Dance (2) Basic steps, sequencing and styling in social, folk, and square dance. Three hours each week.

PED 216. (BIO 216) Human Anatomy and Physiology I (4) The study of the human integumentary, skeletal, muscular, circulatory and respiratory systems as related to health and movement. Three lecture hours and three lab hours each week.

PED 217. (BIO 217) Human Anatomy and Physiology II (3) The study of human nervous, urinary, endocrine, digestive, and reproductive systems as related to health and movement.

PED 226. Intermediate Snow Skiing (1) Prerequisite: Permission of instructor. Intermediate skills, knowledge, safety and conditioning for snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)

PED 234. (FNA 234) Dance Techniques (II) Prerequisite: FNA 134 or equivalent or consent of instructor. Basic dance technique on an intermediate level. Accumulative credit.

PED 235. Principles of Physical Education (3) Principles, components, and development of physical education from ancient to modern times applied to the present and future.

PED 236. Athletic Officiating (3) Rules, officiating techniques, and problems arising in officiating with emphasis on football, basketball, baseball, volleyball, and tennis.

PED 301. Sports Medicine I (3) Prerequisite: PED 216. Concepts, skills, and techniques necessary for the prevention and treatment of athletic injuries. Basic first aid and emergency care.

PED 315. Motor Development (2) Prerequisite: PED 216 or consent of instructor. Analysis of the sequential progression of fundamental motor skills from infancy through adolescence. Study of physical growth patterns and biological maturity as related to motor performance. Attention also given to perceptual motor programs for children. A field experience is required.

PED 320. Methods of Teaching Motor Activity (3) Emphasis on instructional methodology appropriate to teaching motor skills and sports activities, formulation of objectives, and lesson planning. Includes practicum in teaching. A field experience is required.

PED 335. Reading in Physical Education (3) A comprehensive review of literature in physical education and related areas.

PED 336. An Approach to Coaching (3) The application of philosophical and psychological knowledge and principles to the administration and coaching of sports with special emphasis on research literature.

PED 340. Biomechanics (3) Prerequisite: PED 216. (BIO 216). Neuromuscular and mechanical principles of human movement, with emphasis on movement analysis most often encountered in fitness activities and sport skills.

PED 349. (BIO 349) Physiology of Exercise and Sport (4) Prerequisite: PED 216 or BIO 345. A study of fundamental responses of the human body to the stress of exercise, including compensatory adjustments to long-term physical training. Three lecture and two laboratory hours each week.

PED 350. Motor Behavior (3) Prerequisite: PED 216. Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

PED 355. Measure and Evaluation of Human Physical Performance (3) Elementary statistical techniques used in research and interpretation of data; identification of physical fitness and movement components; evaluation of measures now available in the field and administration of performance tests.

PED 360. Motor Learning (3) An introduction to the principles of motor learning, this course is concerned with the analysis and application of physiology and psychological principles related to the learning and performance of motor skills. Two lecture and one laboratory hours each week.

PED 379. Legal Liabilities in Athletics and Physical Education (3) Prerequisite: Junior or senior level. An introduction to the legal liabilities existing in physical education and athletics. Terminology, procedure, operations of the law and case studies will be studied enabling students to positively confront liability situations should they arise. Emphasis on state laws as well as national laws.

PED 386. Physical Education in the Preschool, K-5 (3) Theory, techniques, and methods of developing and implementing developmentally appropriate physical education for grades preschool, K-5. Emphasis on games, dance, gymnastics, and fitness programming. A field experience is required.

PED 387. Teaching Physical Education in Grades 6-12 (3) Theory, technique, and methods of developing and implementing developmentally appropriate physical education for grades 6-12. Emphasis on games, dance, gymnastics, and fitness programming. A field experience is required.

PED 401. Sports Medicine II (3) Prerequisite: PED 216 and PED 301. Advanced emergency care concepts, skills, and techniques for the prevention and treatment of athletic injuries. Emphasis on rehabilitation, organization and administration, counseling and guidance, and education related to athletic injury.

PED 415. Movement Considerations for Special Populations (3) Prerequisite: PED 216 and junior or senior standing. Problems relating to the physiological and kinesiology needs of the individual with physical limitations. Emphasis on the selection of activities that will provide opportunities for optimum development of which he or she is capable. A field experience is required. Two lecture and two laboratory hours each week.

PED 416. Laboratory Techniques and Research Methods in Exercise Physiology (3) Prerequisite: PED 349 and consent of instructor. A study of laboratory techniques and research methods used to evaluate physiological response to exercise and training. Primarily a laboratory experience.

PED 421-422-423-424-425-426. Methods of Coaching (2) Emphasis on strategy, fundamentals, techniques, training and related duties.

421 Basketball	424 Track and Field
422 Basketball	425 Soccer
423 Football	426 Volleyball

PED 435. Sport Management (3) Prerequisite: Junior or senior standing. Concepts, skills, and techniques necessary for the planning, implementation, management, and evaluation of educational, corporate, and commercial sport or fitness programs.

PED 436. Intramurals (3) Prerequisite: Junior or senior standing. The position of intramural activities in the overall program of physical education. Analysis of problems involved in the administration and organization with emphasis on the practical approach in school systems.

PED 440. Selected Topics in Physical Education (3) Survey course for public school teachers with emphasis on updating traditional ideas and principles and introducing new ideas and problems in health and physical education.

PED 455. Advanced Tests and Measurements in Physical Education (3) Prerequisite: PED 355. Statistical techniques as applied to research in physical education; measurement and evaluation in areas of agility, balance, power, flexibility, kinesthetic perception and anthropometries.

PED 460. Sport Psychology (3) Prerequisite: Junior or senior standing within the department or consent of instructor. Study of psychological and psychosocial knowledge and principles as they relate to sport participants and the sport environment.

PED 469 (REC 469). Research and Evaluation in Health, Physical Education and Recreation (3) Prerequisite: PED 355 or REC 375. Methods of research in the fields of health, physical education and recreation. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

PED 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

PED 499. Honors Work in Physical Education (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

PED 460. Sport Psychology (3) Prerequisite: Junior or senior standing within the department or consent of instructor. Study of psychological and psychosocial knowledge and principles as they relate to sport participants and the sport environment.

PED 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

PED 499. Honors Work in Physical Education (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Physics Course Descriptions

(Department of Physics)

PHY 101-102. Elementary College Physics (4-4) Corequisite: MAT 111. Mechanics, heat, sound, light, electricity and magnetism, and introduction to modern physics. Three lecture and two laboratory hours each week.

PHY 103. Great Ideas in Physics (3) Introduces the nature of science to the nonscientist by emphasizing the concepts underlying four great ideas in physics: the conservation of energy, the second law of thermodynamics, the relativity of time, and the wave-particle duality of nature. Explores the mutual influence of science and the humanities (literature, philosophy, history, and the arts).

PHY 105. Introductory Physics (4) Terminal course designed to cover basic principles of physics. Three lecture and two laboratory hours each week.

PHY 111. Naked-eye Astronomy and Archaeoastronomy (3) Detailed knowledge of the motions of the sun, moon, planets, and stars is used to understand ancient skywatching techniques, calendars, celestial lore, sky mythology, cosmological concepts and traditions; the impact of artronomy on the architecture, city planning and cultures of prehistoric societies: ancient European (Stonehenge), Babylonian, Egyptian, Mesoamerican, and Native North American. (Occasional night viewings).

PHY 170. Photography (3) Techniques and procedures in the use of photographic materials and equipment. Two lecture and two laboratory hours each week.

PHY 201-202. General Physics (4-4) Corequisite: MAT 161-162. 201: Mechanics and heat. 202: Electrostatics, magnetism, circuits, electrodynamics, wave motion, and optics. Four lecture and two laboratory hours each week.

PHY 206-207. Problems in General Physics (2-2) Prerequisite: PHY 101-102 and corequisite: MAT 161-162. Problems in general physics and their applications. Two problem sessions each week.

PHY 211-212. Electric Circuits (4-4) Corequisite: MAT 161. Fundamental laws of electric circuits; transient and steady-state sinusoidal analysis of linear circuits by complex frequency, phasor and two-port networks. Three lecture and three laboratory hours each week.

PHY 225. Electronics (3) Prerequisite: Consent of instructor. An introduction to electronics with emphasis on instrumentation and techniques used in scientific laboratories. Two lecture and two laboratory hours each week.

PHY 260. Introduction to Astronomy (3) Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewing.

PHY 311-312. Mathematical Physics (3-3) Prerequisite: PHY 202. An introduction to the mathematical techniques useful in physics: vector analysis, operator and matrix analysis; functions of a complex variable and calculus of residues; differential equations, special functions of a complex variable and calculus of residues; differential equations, special functions of mathematical physics; Fourier series and transforms, eigenfunctions and Sturm-Liouville equation; Green's functions; variational methods; and perturbation theory.

PHY 321-322. Mechanics (3-3) Prerequisite: PHY 202. Elements of Newtonian mechanics, mechanics of continuous media, Lagrange's equation, rotation of a rigid body.

PHY 335. Modern Physics (4) Prerequisite: PHY 202. Survey of modern physics. Special relativity, atomic and nuclear physics, and an introduction to wave mechanics.

PHY 400. Advanced Laboratory (1) (May be repeated for up to three hours credit) Prerequisite: Consent of instructor. Designed to acquaint students with the various laboratory techniques, error analysis and reduction of data by digital computer.

PHY 411-412. Electricity and Magnetism (3-3) Prerequisite: PHY 202 and corequisite: MAT 261. Electric and magnetic field theory; Poisson's and Laplace's equation; harmonic methods, special methods for solution of electrostatics problems, material media and boundary value problems; electromagnetic waves and radiation; electromagnetic laws of optics.

PHY 415. Solid State Physics (3) Prerequisite: PHY 335. A study of the basic properties of solids—crystal structure; mechanical, thermal and electromagnetic properties as determined by the phonon, electron, and magnon characteristics.

PHY 425. Atomic and Molecular Physics (3) Prerequisite: PHY 444. The quantum theory of atomic and molecular structure and spectra. Topics include relativistic and electromagnetic interactions; the hydrogen atom, the helium atom, multielectron atoms; radiative and Auger transitions, selection rules; diatomic and simple polyatomic molecules.

PHY 435. Nuclear Physics (3) Prerequisite: PHY 444 or consent of instructor. Introduction to properties of the nucleus; natural and artificial radioactivity; nuclear reactions and particle accelerators.

PHY 444. Quantum Theory (3) Prerequisite: PHY 335 and corequisite: MAT 361. An introduction to the basic principles of quantum mechanics. Topics include operators; symmetry; orbital and spin angular momentum; and applications to simple systems.

PHY 445. Optics (3) Prerequisite: PHY 202 and MAT 261. Physical and geometrical optics. Huygen's principles, electromagnetic theory of light.

PHY 455. Thermal Physics (3) Prerequisite: PHY 335 or consent of instructor. Principles of thermodynamics and heat transfer; response of molecules to temperature effects illustrated by introduction to kinetic theory and statistical mechanics.

PHY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

PHY 495. Physics Seminar (1-3) Prerequisite: Consent of instructor. Discussion of selected topics in physics.

PHY 499. Honors Work in Physics (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Political Science Course Descriptions

(Department of Political Science)

PLS 101. American National Government (3) A survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

PLS 111. Politics and Government in Global Perspective (3) A survey from a cross-national, comparative perspective of politics and governmental institutions within and among nation-states. Attention will also be given to the role of political theory and ideology in the governance of states.

PLS 202. Contemporary Political Issues (3) An examination of important domestic and international political issues and their relationship to the overall political process. Topics include arms control, affirmative-action, the media and politics, social welfare policy, U.S. policy toward the Third World, and religion and politics.

PLS 203. Religion and Politics in the United States (3) The origin, nature, and consequences of religion's influence on political values, institutions, and policies in the United States.

PLS 204. Judicial Politics (3) Analysis of the organization, powers and role of the judiciary. Topics include: the political role of judges, factors influencing judicial policy-making, selection of judges, the role of lawyers, and judicial decision-making.

PLS 206. American State Government and Politics (3) A survey and analysis of the organization, functions, and political processes of the American states.

PLS 207. American Urban Government and Politics (3) A study of the structure, functions, political processes, problems and trends in American city and metropolitan government and politics.

PLS 208. Politics and the Entertainment Media (3) The political and ideological content of popular film and television. Interactions between government and the entertainment media.

PLS 210-211. Research Methods in Political Science (3-3) An introduction to the rationale and application of basic methods of political research. PLS 210 focuses on library research, the information sources of government and politics and how to use them. PLS 211 introduces quantitative methods - the principles, applications, and limitations of statistical and computer analysis of political phenomena.

PLS 300, 301. American Constitutional Law (3,3) Prerequisite: PLS 101. Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. 300: the powers of the judicial, executive, and legislative branches of national government; the relationships among these branches; and the federal system. 301: individual rights and liberties other than procedural rights of persons involved with the criminal justice system.

PLS 302. Public Opinion and Democracy (3) Prerequisite: PLS 211 or consent of instructor. An examination of the origin, content, and policy impact of public opinion in democratic nations, with major emphasis on the contemporary American experience.

PLS 303. Elections and Voting Behavior (3) Prerequisite: PLS 211 or consent of instructor. An evaluation of the impact of citizen beliefs and preferences on election outcomes. The course is structured around a critical examination of the assumptions, findings and interpretations of the major voting studies since World War II.

PLS 304. Introduction to Public Policy Analysis (3) Prerequisite: PLS 101. A study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing, health, urban renewal and transportation.

PLS 305. The Constitution and the Criminal Justice System (3) Prerequisite: PLS 101. Study of U.S. Supreme Court decisions on rights of suspects, defendants, witnesses, and convicted criminals.

PLS 307. The American Legislature (3) Prerequisite: PLS 101. Functional study of legislative bodies and lawmaking. Among the topics studied will be the role of legislatures; the impact of constituencies, parties, interest groups, interpersonal relationships and other pressures on legislators; legislative structure; and the decision-making process.

PLS 308. Public Administration (3) Prerequisite: PLS 101. Introduction to public administration in the United States. Nature and scope of public administration, public interest in the administrative process, role of administrators, formal and informal organization, public personnel and financial management.

PLS 309. The American Chief Executive (3) Prerequisite: PLS 101. An examination of the concept of a political chief executive as a coordinate member, with legislature and courts, of a government team. Emphasis will be placed on the powers, roles, decision-making processes, and institutional development of the offices of president, governor, and mayor.

PLS 310. (P&R 310) Legal Philosophy and Jurisprudence (3) Prerequisite: Junior standing and/or consent of the instructor. An introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include natural law; historical, analytical and sociological jurisprudence; idealism; utilitarianism; legal realism; equity, justice, precedent, custom and law; and the relation of law and morality.

PLS 312. Scope and Methods of Political Science (3) Prerequisite: PLS 101, 111, and 211. A synthesis of the theoretical questions, techniques, and approaches in the sub-fields of political science, e.g. American politics, comparative politics, international relations, political behavior, public law and political theory.

PLS 313. Early Political Thought (3) Prerequisite: PLS 111 or consent of instructor. An introduction to the origin and development of political theory from the 5th Century B.C. through the medieval era. Emphasis will be placed on the political ideas of Plato, Aristotle, the Epicureans, the Stoics, Cicero, Augustine, medieval philosophers, and Aquinas in order to discover the recurring themes of political inquiry.

PLS 314. Modern Political Thought (3) Prerequisite: PLS 111 or consent of instructor. A critical examination of political ideas from 1500 to 1900 with special attention to those of Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Hume, Burke, Hegel, Bentham, Marx, the Mills, Spencer, T.H. Green and Nietzsche.

PLS 315. Contemporary Political Ideologies (3) Prerequisite: PLS 111 or consent of instructor. A study of the concept of ideology and its significance in the modern world. Systematic analysis of the major political ideologies of the 19th and 20th centuries with emphasis on democracy, communism, fascism, nationalism, anarchism, and the New Left.

PLS 316. Women and Politics (3) Prerequisite: PLS 111 or 101 or consent of instructor. An introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

PLS 330. Political Systems of Africa (3) Prerequisite: PLS 111 or consent of instructor. The governments and politics of selected sub-Saharan African states. A survey from colonial days to the present with emphasis on contemporary economic, social and political problems.

PLS 331. Politics in Developing Nations (3) Prerequisite: PLS 111 or consent of instructor. An examination of the political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

PLS 332. Politics of Central America and the Caribbean (3) Prerequisite: PLS 111. Political structures of Central America and the Caribbean, and the impact of socio-economic forces on these.

PLS 333. Politics of South America (3) Prerequisite: PLS 111. Politics of South America and the impact of socio-economic forces on the region and its political stuctures.

PLS 335. European Political Systems (3) Prerequisite: PLS 111 or consent of instructor. Political institutions and processes of selected European countries, including Great Britain, France and Germany.

PLS 336. Political Systems of the Soviet Union and Eastern Europe (3) A comparative study of the political institutions and processes of the Soviet Union and the eastern European Countries; the post-Stalin dynamics and the nature and significance of contemporary changes. Attention will be given to their foreign relations, especially with Communist China.

PLS 338. Political Systems of the Middle East (3) Prerequisite: PLS 111 or consent of instructor. The governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.

PLS 339. Political Systems of Asia (3) Prerequisite: PLS 111 or consent of instructor. The political systems of selected Asian countries. Special emphasis on the contemporary political, social and economic problems of India, Pakistan, Japan, China, Indonesia and other Asian countries.

PLS 340. Blacks in American Politics (3) Prerequisite: PLS 111 or 101 or consent of instructor. A study of American political institutions and processes through the eyes of Black America. This study will analyze the power structure in the black community, dissent and protest, black participation in the political system, black leaders and politicians and their politics, and the uniqueness of black politics as compared with the wider spectrum of the political system.

PLS 405. American Parties and Pressure Groups (3) Prerequisite: PLS 211 or consent of instructor. An historical and analytical treatment of the appearance and realignment of political parties during the five successive "national party systems" since the beginning of the republic. Special emphasis is given to the question of contemporary party disarray and potential realignment.

PLS 406. Contemporary Southern Politics (3) Prerequisite: PLS 211 or consent of instructor. An examination of recent developments throughout the American South and their impact on national politics. Topics covered include southern political culture, the decline of the one-party system, and the changing roles of blacks and organized labor. Emphasis is placed upon independent research projects involving student analysis of census, election return, and public opinion survey data.

PLS 411. (SOC 411) Techniques of Public Opinion Polling (3) Prerequisite: PLS 211 or SOC 301 or consent of instructor. Basic skills in all phases of public opinion polling; issue focus; questionnaire construction; sample selection, interview techniques; elementary data analysis; interpretation and presentation of results. Opinion polls of current political and social issues conducted as class projects to develop these skills.

PLS 415. American Political Thought (3) Prerequisite: PLS 101 or consent of instructor. American political thought from the colonial period to the present.

PLS 422. Contemporary American Foreign Policy (3) Prerequisite: PLS 101 or 111. The roles and interrelationships of Congress, the media, public opinion, the president, the secretaries and departments of state and defense, and the intelligence community are examined. Emphasis is placed on the content and the dynamic aspects of the process of policy formulation and implementation.

PLS 423. National Security Policy (3) Prerequisite: PLS 101. A study of formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.

PLS 425. International Politics (3) Prerequisite: PLS 111 or consent of instructor. Nature of international relations including analyses of basic factors motivating national policies; the United Nations and other international organizations as institutions for promoting peace and welfare in a world of sovereign states.

PLS 426. International Law (3) Prerequisite: PLS 101. Nature, development and basic concepts of international law. Examination of the scope, sources and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

PLS 427. International Organizations (3) Prerequisite: PLS 111 or 101 or consent of instructor. A survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

PLS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

PLS 495. Departmental Seminar (1-3) Prerequisite: Six hours of political science and consent of department chairperson. Consideration of special topics in political science. May be repeated for additional credit.

PLS 498. Internship in Political Science (3-6) Prerequisite: PLS 101, 111, 211, at at least one of the following: PLS 300, 304, or 308; junior or senior political science majors; overall 3.00 GPA or consent of instructor. Experiential learning with selected public or private agencies or with an individual which allows the student to utilize academic training while learning from a practical field experience. (Formal research project is a major part of the internship.) May be repeated up to a maximum of six credits.

PLS 499. Honors Work in Political Science (2-3) Prerequisite: Eligibility for honors program and junior or senior standing. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Portuguese Course Descriptions

(Department of Foreign Languages and Literatures)

PRT 101-102. Introductory Portuguese (3-3) Emphasis on the acquisition of an active and useful command of the language. Intensive aural-oral practice with the study of grammatical structures along with the pursuit of a reading and writing ability. Discussions to introduce the students to the culture of the Portuguese-speaking areas of the world, primarily Brazil and Portugal.

PRT 201-202. Intermediate Portuguese (3-3) Prerequisite: PRT 102 or equivalent. A review of the grammatical structure of the language, application of the language in composition, conversation and readings.

Psychology Course Descriptions

(Department of Psychology)

PSY 105. General Psychology (3) Principles of psychology with emphasis on scientific methods used in studying human behavior.

PSY 110. Self-Management and Self-Motivation (3) Techniques and concepts to provide knowledge, skills, and attitudes to improve performance. Development in coping skills, including determination and modification of motivation, self-management and time-management skills, and efficient methods of learning and organizing materials and solving problems. (Not for social science general degree requirement or psychology major credit.)

PSY 145. Psychology Applied to Human Life (3) Psychological principles and findings as applied to particular fields of endeavor and to various stress situations. Primary emphasis on the problem of human adjustment.

PSY 210. Science and Pseudoscience (3) Prerequisite: PSY 105 and sophomore standing. Examination of bases for scientific and pseudoscientific claims to knowledge. Considers criteria for description and explanation in science; uses these criteria to demarcate between areas that are scientific and those whose claims to be scientific are questionable. Evaluates areas such as parapsychology and astrology. Emphasizes use of critical thinking skills.

PSY 216. Educational Psychology (3) Prerequisite: PSY 105 is suggested. Study of the application of psychological theories and principles in educational settings.

PSY 220. Child Psychology (3) Prerequisite: PSY 105 or 145. Human psychological development through childhood and early adolescence. Normal development is emphasized with discussion of problem areas and other influences upon such development.

PSY 221. Adolescent Psychology (3) Prerequisite: PSY 105 or 145. Human psychological development from late childhood through adolescence. Normal development is emphasized with discussion of problem areas and other influences upon such development.

PSY 223. Life Span Human Development (3) Prerequisite: PSY 105 or 145. Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual development are emphasized.

PSY 225. Introductory Statistics for the Behavioral Sciences (4) Prerequisite: PSY 105 and a "C" or better in MAT 111 or a higher level MAT course. Limited to students concentrating in psychology. Introduction to the statistical techniques most often used by behavioral scientists for either descriptive purposes or hypothesis testing. Parametric techniques are emphasized, but nonparametric tests are included. Three lecture and two laboratory hours each week.

PSY 245. Drugs and Behavior (3) Prerequisite: Three semester hours credit in psychology. Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

PSY 262. Psychology of Consciousness (3) Prerequisite: PSY 105. Mental processes which occur during various states of human consciousness such as sleep, biofeedback and meditation. Emphasis on the research and theories of brain processes during states of consciousness.

PSY 265. Human Sexual Behavior (3) Prerequisite: Three hours of psychology, excluding PSY 110. Psychological aspects of human sexuality with emphasis on psychosexual development and behavior. Includes discussion of causative factors and treatment of sexual disorders and deviations.

PSY 311. Psychology of Language (3) Prerequisite: PSY 105. An introduction to theory and research concerning human language use. Topics include the nature of human linguistic competence, the perception of speech, the comprehension of speech, memory for verbal information, the production of speech, and the biological basis of human language.

PSY 320. Developmental Psychology (3) Prerequisite: PSY 105 or 220. Examination of various areas of behavior (motor, social, and intellectual) and theoretical explanations of their development. Emphasis on underlying psychological and biological processes.

PSY 322. Psychology of Exceptional Children (3) Prerequisite: PSY 105 or 220. Physical, cognitive, and personality characteristics of the major types of childhood exceptionality, including high intelligence and creativity, mental retardation, learning disabilities, emotional disorders, language impairments, and sensory and physical handicaps. Assessment, etiology, family relations, and treatment.

PSY 324. Psychology of Adulthood and Aging (3) Prerequisite: Three hours in psychology, excluding PSY 110. A developmental approach to the portion of the lifespan from young adulthood through senescence. Emphasis on the interaction of psychological, psychosocial and physiological aspects of development.

PSY 336. Industrial Psychology (3) Prerequisite: PSY 105. Psychological techniques in personnel selection and placement, merit rating, reduction of accidents, training, morale, and other factors utilized in industrial work.

PSY 337. Vocational Psychology (3) Prerequisite: PSY 105 or permission of instructor. Individual vocational behavior and development. Topics include the history of vocational psychology, theories of vocational development and choice, as well as stimulus, organismic, and response variables correlated with the choice process. Attention is directed toward theories and research concerning the meaning of vocational motivation and vocational adjustment, as well as the prediction of vocational success and satisfaction. Systems for defining vocational problems are included.

PSY 346. Psychology of Personality (3) Prerequisite: PSY 105. A study of the basic facts concerning the structure, organization, and adjustmental mechanisms of personality.

PSY 347. Psychopathology (3) Prerequisite: PSY 105. The study of behavioral pathology. Emphasis will be placed on the underlying factors of the neuroses, psychoses, and character disorders.

PSY 350. Principles of Behavioral Change (3) Prerequisite: PSY 105. Application of the principles of behavioral control in interpersonal, educational, and clinical settings. Emphasis on behavioral modification techniques such as contingency management, desensitization, biofeedback, etc.

PSY 352. Behavioral Medicine (3) Prerequisite: PSY 105 or 145. Integrates psychological and biomedical knowledge relevant to physical health and illness. Describes the interaction of psychological phenomena with the epidemiology, etiology, pathogenesis, treatment, and rehabilitation of physical disorders.

PSY 355. Introduction to Experimental Psychology (4) Prerequisite: PSY 225. Basic principles of psychological research design and evaluation, including techniques of data collection and analysis, and conduct, interpretation, and reporting of various types of psychological research. Experimental research is emphasized. Three lecture and three laboratory hours each week.

PSY 365. Social Psychology (3) Prerequisite: PSY 105. Individual human behavior as a function of the influence of other persons. Emphasis on the psychology of person perception, interpersonal communication and relationships, attitude formation and change, and small group behavior.

PSY 366. Psychology of Marriage and Family (3) Prerequisite: Three hours of psychology. Personality development within the marriage and family including recent theoretical and empirical findings on courtship, interpersonal attraction, marriage contract, and the various stages of the family life cycle. Communication, familial functioning and dysfunctioning are emphasized.

PSY 370. (EVS 370) Environmental Psychology (3) Prerequisite: PSY 105. Interactions between the physical environment and the behavior of the individual. Emphasis on perception of the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.

PSY 405. History and Systems of Psychology (3) Prerequisite: Fifteen semester hours credit in psychology. History of psychology relative to current trends.

PSY 410. Cognitive Psychology (4) Prerequisite: PSY 355. Introduction to theories and research related to human cognition. Memory, attention, problem solving, and thinking are emphasized. Three lecture and three laboratory hours each week.

PSY 412. Sensation and Perception (4) Prerequisite: PSY 355. Survey of sensory and perceptual processes, techniques for measuring sensations and perceptions, and theories of perception. Psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world are examined. Demonstrations introduce students to interesting perceptual phenomena. Three lecture and three laboratory hours each week.

PSY 417. Psychology of Learning (4) Prerequisite: PSY 355. Study of the basic facts related to the learning process. Effects of reinforcement, extinction, generalization and discrimination, verbal learning and retention, as well as other phenomena, are considered. Three lecture and three laboratory hours each week.

PSY 418. Motivation and Emotion (3) Prerequisite: PSY 105 and BIO 105 or consent of instructor. Psychological theory and research in the areas of motivation and emotion. Basic as well as more complex motive states are examined as they arise from physiological needs and from learning and cognitive processes. Data from animal as well as human studies are considered.

PSY 425. Psychological Tests and Measurements (3) Prerequisite: PSY 105 and 225 or consent of instructor. Introduction to theory and practice of test construction, including a survey of intelligence, achievement and personality tests and their applications.

PSY 445. (545) Chemical Dependency (3) Prerequisite: PSY 245 and 355. Theory, method and research in the study of substance abuse. Advanced consideration of the causes, consequences and treatments of the major addictive disorders.

PSY 449. Psychology of Death (3) Prerequisite: PSY 105. Psychological aspects of death and dying. Conceptualizations of and behavior toward one's own demise. Emphasis on the behavioral context surrounding terminal illness, suicide, and homicide. Psychological aspects of gerontology also considered.

PSY 450. Introduction to Counseling (3) Prerequisite: PSY 346 or 347. The major historical and contemporary theories of counseling including Freudian, client-centered, behavioristic and existential are reviewed. Examination of each theory is accompanied by demonstration and role-play situations in which the elements of each theory are explored.

PSY 451. Supervised Counseling Practice (3) Prerequisite: PSY 346, 347 and 450 and consent of instructor. Supervision of student practice in application of counseling skills and techniques in a variety of in-service situations. Students participate in supervised counseling experiences in local social service agencies. Emphasis on practice of skills combined with regular consultation with the supervisor. May be repeated once for additional credit.

PSY 452. Ethical Principles in Psychology (1) Prerequisite: Permission of the instructor. Ethical considerations involved in counseling and psychotherapy, psychological testing, and the use of human subjects in research.

PSY 455. Advanced Psychological Research (3) Prerequisite: PSY 355 and consent of instructor. Experience in the design, conduct, and evaluation of psychological research. Advanced design and analysis techniques. Each student designs and conducts a research project and a laboratory exercise for PSY 355. Offered on demand.

PSY 456. Physiological Psychology (3) Prerequisite: PSY 105 and BIO 105 or consent of instructor. Anatomy of the nervous system and the roles which various neural structures play in the control of behavior.

PSY 457. Animal Behavior (3) Prerequisite: PSY 105 and BIO 105 or consent of instructor. Animal behavior including the traditional areas of ethology and comparative psychology. Primary emphasis is upon the similarities and differences in the behaviors of animals occupying various phylogenetic positions.

PSY 465. Community Psychology (3) Prerequisite: PSY 105. PSY 365 is suggested. Contributions of psychology to the understanding of an individual's behavior as influenced by the community environment. Emphasis on problems associated with community mental health.

PSY 470. Cross-Cultural Psychology (3) Prerequisite: PSY 105 and six additional hours of anthropology or psychology or consent of instructor. Cultural factors which influence human behavior. Psychological theory and research covering such topics as cultural effects on perception, cognition, life span development, mental illness, personality and language.

PSY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

PSY 495. Topical Seminar (1-3) Prerequisite: PSY 105 and consent of instructor. Discussion of selected topics in psychology. May be repeated for additional credit.

PSY 499. Honors Work in Psychology (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494; see explanations on p. 102, 158.

Parks and Recreation Course Descriptions

(Department of Health, Physical Education and Recreation)

REC 103. (PED 103) Physical Education/Recreation Activity Program of Outdoor Pursuits (3) Prerequisite : PED 101 or equivalent. Study of and participation in the skills and knowledge of various outdoor recreational activities in a natural setting. Minimum of 10 one-hour lecture sessions and a minimum of 11 excursion days. Travel and subsistence costs for activities borne by the student. (Non-majors may repeat PED 103, in a different activity area, only once.)

REC 265. Introduction to Recreation and Parks (3) Scope, development, structure, purposes, functions, interrelationships of public, commercial, private and voluntary agencies engaged in rendering recreation and park services.

REC 270. Program Planning and Leadership (3) An introduction to recreation program planning and leadership, including organization, implementation and evaluation of leisure services. Includes group leadership techniques and assessment of leisure needs. Students plan, implement, and evaluate a variety of activities in and out of class.

REC 271. Camp Leadership and Management (3) Prerequisite: REC 265 or consent of instructor. Study of the segment of park and recreation programs involved with current camp practices, philosophy, leadership and management.

REC 280. Experiential Techniques for Interpreting Outdoor Recreation Resources (3) An introduction to the techniques for interpreting natural and cultural resources to the visiting public in outdoor recreation settings. Focus is on the development of experiential program techniques and the use of written, visual, and audio-visual media to provide outdoor living skills, natural history, cultural heritage, and ecological concepts to the public.

REC 348. Field Experience in Recreation (3) Prerequisite: REC 265 and 270. Supervised experience in recreation and/or park setting. Relates theory to practical application in the field. Placements chosen from community, commercial, outdoor or therapeutic recreation settings. Requires a minimum of 60 hours of field work.

REC 350. Recreation and Commercial Enterprise (3) Prerequisite: REC 265 or consent of instructor. Identification, development, operation and impact of profit-oriented recreation enterprises. Investigation of customer service, feasibility studies, planning and development, financing, marketing and managerial requirements.

REC 351. Travel and Tourism (3) An introduction to the commercial area of the leisure field which is concerned with travel and tourism. Emphasis on travel motivation; economic, social, environmental and cultural impacts; and marketing and promotion of travel and tourism.

REC 360. Natural Resources Recreation Management (3) Prerequisite: REC 265 or declared EVS major or consent of instructor. The history, development, legislation and management of natural resource-based recreation areas. Management techniques used by federal, state and municipal recreation resource agencies highlighted

REC 361. History and Philosophy of Natural Resources Management (3) Development of natural resources management in the United States. Specific attention to historical development of natural resources management policy, and the philosophical stance of individuals who are instrumental in creation of those policies.

REC 366. Coastal Recreation Resource Management (3) Prerequisite: REC 360 or consent of instructor. An in-depth study of coastal legislation, resources, issues and management. Special attention is given to understanding recreation in the coastal zone, conflicts among competing coastal resource users, and current issues pertaining to North Carolina's coastal environment.

REC 367. The Arts and Recreation (3) Prerequisite: REC 265. Administrative problems involved in organizing quality cultural arts in recreation and parks departments and other leisure services agencies. Areas to be examined include financing, personnel, facilities, and equipment. Funding possibilities and relationships between the National Endowment for the Arts, state arts, state arts councils, local arts councils, and recreation and parks departments will also be studied.

REC 368. Introduction to Therapeutic Recreation (3) Prerequisite: REC 265 or consent of instructor. Therapeutic recreation service: its historical and professional development; characteristics and leisure needs of special populations it serves; settings for service delivery such as hospitals, residential care facilities, and communities.

REC 369. Therapeutic Recreation for the Aging (3) Prerequisite: REC 368 or GRN 101 or consent of instructor. Biological, sociological, and psychological aspects of aging as related to the planning and delivery of therapeutic recreation services for dependent and independent elderly.

REC 370. Therapeutic Recreation: Principles and Procedures (3) Prerequisite: REC 368. Specific attention to principles and practices of therapeutic recreation service. Topics include assessment; activity analysis; task analysis; activity, facility and equipment adaptations; risk management; standards of practice; facilitation techniques.

REC 375. Leisure Service Management (3) Prerequisite: REC 265 and REC 270. Organization and administration of leisure services including the management of human resources, motivation and conflict; managerial leadership; legal aspects of leisure services; issues related to policy development and implementation.

REC 430. Advanced Leisure Service Management (3) Prerequisite: REC 375. Application of advanced techniques utilized in leisure services management. Topics include marketing, public relations, policy development, financial management, risk management, and current management issues.

REC 440. Legal Issues in Recreation Services (3) Prerequisite: REC 375 or consent of instructor. Examination of legal and legislative issues affecting the leisure delivery system in governmental, quasi-public, private, commercial, and institutional settings. Topics include terminology, risk management procedures, ordinances, regulatory law, licensing, legal redress, and constitutional law at the national and state levels.

REC 450. Conflict Management in Recreation Leadership (3) Prerequisite: REC 375. An experiential approach to the study of conflict management in recreational leadership and administration. Emphasis on conflict resolution and conflict stimulation; individual and group conflict; and problem solving.

REC 465. Park Planning and Design (3) Prerequisite: REC 375. Basic principles of planning and developing recreation and park areas and facilities. Emphasis on land use, current planning practices and standards, and facility design.

REC 467. Leisure Education in Therapeutic Recreation (3) Prerequisite: REC 368 or consent of instructor. An overview of the leisure education process as an aspect of therapeutic recreation service delivery. The course encompasses a review of leisure education and strategies for the development, implementation, and evaluation of leisure education programs for persons with disabilities.

REC 468. Therapeutic Recreation: Program Planning and Implementation (3) Prerequisite: REC 467. Advanced course in programming therapeutic recreation services. Emphasis on systems planning of comprehensive and specific programs; evaluation; documentation; guidelines for administration of therapeutic recreation services; professional issues and trends.

REC 469 (PED 469). Research and Evaluation in Health, Physical Education and Recreation (3) Prerequisite: PED 355 or REC 375. Methods of research in the fields of health, physical education and recreation. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

REC 470. Advanced Natural Resource and Wildland Management (3) Prerequisite: REC 360 or consent of instructor. An in-depth study of natural resources legislation and management. Emphasis on historical and philosophical roots of wildland resource management in North America.

REC 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

REC 495. Seminar in Recreation (3) Prerequisite: REC 375. A culmination of study in the field of recreation. Discussion of selected topics concerning current issues and trends in the profession.

REC 498. Internship in Leisure Services (6) Prerequisite: Therapeutic Recreation Option: REC 370, 430, 467, and 468; Leisure Service Management Option: REC 350, 430, and 495; Natural Resource Recreation Management Track: REC 430 and three of REC 350, 366, 465 or 470. A progression of professional field experience relating theory to practical experience, practical experience involving program planning and administrative procedures in public, private, commercial, institutional or nonprofit settings. (A minimum of 440 hours of field work is required.)

REC 499. Honors Work in Recreation (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Science, the Humanities and Society Course Description

(College of Arts and Sciences)

SHS 110. Introduction to Science, the Humanities and Society (3) An introduction to the interrelationships between science, technology, humanities, and society. Topics include interdisciplinary approaches of history and philosophy to how and why scientific research is done, the impact of science on society and of society on science, and contemporary issues.

Sociology Course Descriptions

(Department of Sociology and Anthropology)

SOC 105. Introduction to Sociology (3) Introduction to the scientific study of human society and social behavior.

SOC 110. Sociology in Contemporary Life (3) An introductory level course designed to enable students to think about and interpret the social world and events around them. Emphasis will be placed on discovering your social self, understanding social interaction, and interpreting the relationship of the individual with modern industrial society.

SOC 200. Sociology of Sport (3) A sociological examination of the rise of sport in contemporary society. Topics such as the social organization of sports, women and sports, sports and violence, inter-scholastic sports and achievement behavior, discrimination and sports, and the future of sports are covered.

SOC 205. (ANT 205) Human Societies (3) The comparative study of human society and culture with selected ethnographic examples to illustrate human adaptation to specific environments and reveal patterns of major social institutions—economy, marriage and kinship, politics and religion—which underlie and support a particular way of life. Comparisons are drawn among hunter-gatherer, tribal horticultural, peasant and modern industrial societies. Perspectives on the dynamic of social process and cultural change are also introduced.

SOC 215. Modern Social Problems (3) Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

SOC 220. Sociology of Birth and Death (3) The examination of the sociological dimensions of "human entry and exit." The social organizational and cultural dimensions of birth and death will be considered in terms of rites of passage, bureaucratizations, social movements, cultural differences, and historical and contemporary contexts.

SOC 230. (ANT 230) Utopian and Communal Societies (3) A theoretical and descriptive analysis of "intentional" communities and social systems. Coverage of earliest utopian experiments and modern rural and urban communes. Communities are viewed in terms of their origin and purpose, ideology, subsistence, social patterns, relations with the outside world, and survival.

SOC 301. Sociological Data Analysis and Interpretation (3) Prerequisite: SOC 105. Computer entry and management of social science data programming techniques with a statistical programming language and univariate and bivariate analyses using instructor-provided data.

SOC 302. Methods of Social Research (3) Prerequisite: SOC 301. Introduction to the logic and methods of sociological research. Topics include the connections between theory and research, problem formulation and research design, conceptualization and measurement, sampling, modes of observation and analysis, ethical issues, and the political context of research.

SOC 303. Mass Media and Society (3) Prerequisite: SOC 105. The relationship between mass media, culture, and society with special emphasis on the social, political, and economic contexts of the mass media. Media examined include television, the press, films, popular music, and the electronic superhighway.

SOC 304. Popular Culture (3) Prerequisite: SOC 105. Sociological analysis of popular forms of everyday life in America: fashion, fads, entertainment trends, advertising, television programming, music, myths, sterotypes, and icons of mass-mediated culture.

SOC 305. Population (3) Prerequisite: SOC 105. A study of the changes in size, composition, distribution of population and the dynamics underlying them.

SOC 315. Urban Sociology (3) Prerequisite: SOC 105. Analysis of the history and development, social organization, and problems of the city.

SOC 325. Racial and Ethnic Group Relations (3) Prerequisite: SOC 105. An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

SOC 326. Collective Behavior and Social Movements (3) Prerequisite: SOC 105. Analysis of social behavior that breaks from existing patterns and expectations, such as riots, crowds, revolution, and social movements.

SOC 335. The Sociology of Deviant Behavior (3) Prerequisite: SOC 105. The analysis of certain behavior in terms of deviations from norms; the application of sociological and psychological concepts and theory to deviant behavior, and the critical evaluation of non-sociological research and theories.

SOC 336. Sociology of Aging (3) Prerequisite: SOC 105 or GRN 101. Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

SOC 337. Medical Sociology (3) Prerequisite: SOC 105. A sociocultural analysis of the general area of health and illness. Emphasis is given to understanding the distribution of health and illness in the United States and its impact on the patient status. The course includes a discussion of the organization and use of health care services from a sociological perspective.

SOC 340. Organizations in Modern Society (3) Prerequisite: SOC 105. An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

SOC 344. The Sociology of Politics (3) Prerequisite: SOC 105 or PLS 101. Examines political institutions and political behavior from a sociological perspective. Topics include the social and economic origins of political behavior; the organization and distribution of political power and its effects on society, politics and social change.

SOC 345. Sociology of the Family (3) Prerequisite: SOC 105. Origin and development of the family as a social institution from an historical and comparative approach; analysis of forms and functions of the family; socialization, mate selection, procreation.

SOC 346. Sociology of Religion (3) Prerequisite: SOC 105. An analysis of the structure, function and process of religion, emphasizing the reciprocal relation of religion and cultural and religious differentiation and institutionalization.

SOC 347. Sociology of Education (3) Prerequisite: SOC 105. Historical-comparative sociological analysis of formal education systems in modern societies. Examination of sociological theories of education as they apply to political economy, stratification, social selection, cultural reproduction, and social change.

SOC 348. Sociology of Leisure and the Arts (3) Prerequisite: SOC 105. This course surveys existing theory and research with respect to the concept of leisure. Specific attention is devoted to sociological analyses of trends, differentials, and time expenditures which population categories exhibit in recreational, sporting, and arts activities.

SOC 349. Sociology of Children and Childhood (3) Prerequisite: SOC 105. Sociological theory and methods related to children and childhood from infancy to early adolescence. Topics include the social construction of childhood; child development and socialization; race, class, and gender in childhood; and social problems affecting children.

SOC 350. Gender and Society (3) Prerequisite: SOC 105. Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

SOC 355. Criminology (3) Prerequisite: SOC 105. The nature, variation and causes of crime are studied as aspects of the American culture.

SOC 360. Social Theory (3) Prerequisite: SOC 105 and six additional hours in sociology. An introduction to major theoretical perspectives in sociology including functional theory; conflict theory; exchange theory; interactionist theory; and structural theory.

SOC 365. Social Psychology (3) Prerequisite: SOC 105. A sociological analysis of human social interaction. Topics include symbolic interaction, socialization, interpersonal relations. Focus is on social and cultural influences on individual and group behavior.

SOC 366. Social Change (3) Prerequisite: SOC 105. The study of social and cultural change in community and society with emphasis upon the rate and degree of change, direction of change, mechanism of change, and planning of change.

SOC 375. Juvenile Delinquency (3) Prerequisite: SOC 105. The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

SOC 380. Social Classes (3) Prerequisite: SOC 105. Examination of social stratification as the system of distribution of privilege, power and prestige in modern and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

SOC 406. Advanced Social Research Methods (3) Prerequisite: SOC 302. A study of the social survey research process: problem formulation, literature review, instrument development, sample determination, data collection, statistical analysis, and report writing. Requirements include individual research proposals and a class research project.

SOC 411. (PLS 411) Techniques of Public Opinion Polling (3) Prerequisite: PLS 211 or SOC 301 or consent of instructor. Basic skills in all phases of public opinion polling: issue focus; questionnaire construction; sample selection; interview techniques; elementary data analysis; interpretation and presentation of results. Opinion polls of current political and social issues conducted as class projects to develop these skills.

SOC 416. Human Ecology (3) Prerequisite: SOC 105 and six additional hours in sociology. A theory of community structure based on societal evolution as shown through the referential concepts of population, organization, environment and technology. An analysis of the spatial, temporal, functional and relational configuration of human communities.

SOC 433. Sociology of Mental Illness (3) Prerequisite: SOC 105. Sociological theories of and social responses to mental illness. History and analysis of mental health systems.

SOC 438. Social Epidemiology (3) Prerequisite: SOC 105 or consent of instructor. Methods and substance of social epidemiology; demographics of illness in American society. Case studies linking environmental and behavioral variables to disease incidence examined. Specific attention to the social response to AIDS and other communicable diseases.

SOC 449. Sociology of Law (3) Prerequisite: SOC 105 and junior/senior standing. An analysis of the role of law in society. Special emphasis will be given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. The concept of justice will also be analyzed. Law will be viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

SOC 460. Advanced Social Theory (3) Prerequisite: SOC 360. An examination of special topics in social theory with emphasis on the most recent developments. Topics include the sociology of knowledge and theory construction.

SOC 485. The Community (3) Prerequisite: SOC 105. Structure, process, and change in modern communities. Topics include analysis of the concept of community; the community as a social system; major community functions; relationships between the community and larger society; community stratification, power structure and organization.

SOC 486. Sociology of Work and Occupations (3) Prerequisite: SOC 105 and three additional hours in sociology or economics. Analysis of the place of work in society. Examines occupational structures as the primary link between persons and the larger society. Topics include the growth and development of occupational structure, occupations and technological change, and organizational complexity.

SOC 490. Senior Project (3) Prerequisite: SOC 302 and senior status. Pre-or corequisite: SOC 406. An independent project using sociological theory and methods to address a topic chosen by the student in conjunction with a faculty sponsor. (Students must complete a "memorandum of understanding" in the semester prior to the course).

SOC 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

SOC 495. Topical Seminar (1-3) Prerequisite: SOC 105 and consent of instructor. Discussion of selected topics in sociology. May be repeated under a different subtitle.

SOC 499. Honors Work in Sociology (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Spanish Course Descriptions

(Department of Foreign Languages and Literatures)

SPN 101-102. Introductory Spanish (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Spanish; reading, writing and basic conversation.

SPN 103-104. Introductory Spanish; Business Emphasis (3-3) Emphasis on achievement of an active command of the language spoken in the Hispanic world, with some emphasis on business vocabulary and protocols. Intensive study of the basic patterns of spoken Spanish, commercial practices and cultural concepts of the Spanish-speaking countries; reading, writing, and basic conversation. (Not open to students who have completed SPN 101, 102, or 120)

SPN 105. Spanish for Travelers (3) General interest course, but designed specifically for those planning to travel in a Spanish-speaking country. Emphasis on practical communication, current vocabulary and colloquial expressions. Realia and audio-visual aids used extensively. Course may be structured to answer specific individual needs.

SPN 120. Fundamentals of Spanish (3) Prerequisite: Appropriate department placement test score. A fast-paced approach to the achievement of a basic active command of the language. Aural-oral practice: intensive study of the fundamental structure of the language; reading, writing and basic conversation. For students with limited previous study of the language.

SPN 201-202. Intermediate Spanish (3-3) Prerequisite: SPN 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

SPN 203. Intermediate Spanish: Reading (3) Prerequisite/corequisite: SPN 202 or equivalent. Emphasis on reading (fiction and non-fiction) with the goals of applying effective reading techniques and strategies, increasing vocabulary, and improving general reading and oral communication skills.

SPN 209. Spanish Literature in Translation: Topics (3) Study of representative works from the literature of Spain. Reading and class discussions in English. May be repeated under a different subtitle.

SPN 210. Spanish-American Literature in Translation: Topics (3) Study of representative works from the literature of Spanish America. Readings and class discussion in English. May be repeated under a different subtitle.

SPN 211. Spain Today (3) An examination of the institutions and social fabric of contemporary Spain as they evolved from traditional roots, including units on history, politics, regional culture, literature, music, art, customs and economic resources. Readings and class discussions in English.

SPN 212. Latin America Today (3) An examination of the institutions and social fabric of contemporary Latin America as they evolved from traditional roots, including units on history, politics, indigenous cultures, literature, music, art customs, and economic resources. Readings and class discussions in English.

SPN 304. Business Spanish (3) Prerequisite: SPN 202 or equivalent. Designed for students who need familiarization with the terminology necessary for the fields of economics, business, accounting, natural sciences and others. Business correspondence in Spanish and the currency systems of the Spanish-speaking countries are included.

SPN 305. Conversation and Composition (3) Prerequisite: SPN 202 or equivalent. Intensive training in spoken and written Spanish.

SPN 306. Advanced Grammar (3) Prerequisite: SPN 202 or equivalent. Grammatical forms and usage.

SPN 307. Phonetics (3) Prerequisite: SPN 202 or equivalent. Various speech phenomena; practice in phonetic transcription, pronunciation, and intonation.

SPN 308. Hispanic Linguistics (3) Prerequisite: SPN 307 or equivalent. An introduction to Hispanic phonology, morphology, syntax, dialectology, bilingualism, and sociolinguistics.

SPN 309. Tecnologías de la Información (3) Prerequisite: SPN 305. Creation and editing of documents in Spanish using work-processing, drawing and spreadsheet modules if an integrated computer application; videographic skill; Hispanic resources on the Internet and shortwave broadcasts.

SPN 311. Spanish Civilization (3) Prerequisite: SPN 202 and 203 or equivalent. Geographical, historical and cultural aspects of Spain.

SPN 312. Spanish-American Civilization (3) Prerequisite: SPN 202 and 203 or equivalent. Geographical, historical, and cultural aspects of Spanish America.

SPN 321. Introduction to Spanish Literature (3) Prerequisite: SPN 202 and 203 or equivalent. Selected readings covering the main currents of Spanish literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

SPN 322. Introduction to Spanish-American Literature (3) Prerequisite: SPN 202 and 203 or equivalent. Selected readings covering the main currents of Spanish-American Literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

SPN 401. Translation Techniques and Practices (3) Prerequisites: Native or near-native command of written English; SPN 203, SPN 306 and one additional Spanish course at 300 level or above. Translation of various kinds of texts and documents. Practical application of translation theory and development of strategies for solving predictable translation problems.

SPN 405. Advanced Conversation and Composition (3) Prerequisite: SPN 202 or equivalent. Emphasis on spoken Spanish, essay writing and translation.

SPN 411. Topics in Spanish Civilization (3) Prerequisite: SPN 311 or equivalent. Advanced study in geographical, historical, and cultural aspects of Spain. Topics will focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

SPN 412. Topics in Spanish-American Civilization (3) Prerequisite: SPN 312 or equivalent. Advanced study in geographical, historical, and cultural aspects of Spanish America. Topics will focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

SPN 421. Studies in Spanish Literature (3) Prerequisite: SPN 321 or equivalent. Study of representative Spanish authors, literary movements, and genres. May be repeated under a different subtitle.

SPN 422. Studies in Spanish-American Literature (3) Prerequisite: SPN 322 or equivalent. Study of representative Spanish-American authors, literary movements, and genres. May be repeated under a different subtitle.

SPN 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

SPN 495. Seminar in Hispanic Studies (1-3) Prerequisite: SPN 321 or 322 or equivalent. Cooperative study of a selected topic under the direction of departmental faculty. Research, informal presentations, reports, discussion. May be repeated under a different subtitle.

SPN 498. Internship in Spanish (3 or 6) Prerequisite: Junior standing and consent of instructor. A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

SPN 499. Honors Work in Spanish (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Statistics Course Descriptions

(Department of Mathematical Sciences)

STT 205. Introduction to Statistics with Applications in the Social Sciences (3) Prerequisite: MAT 101, 111, or 115. (Designed for students majoring in the social sciences.) Graphical and numerical methods for univariate data; bivariate data organization and measures of association; contingency table analysis; sampling distributions; estimation and hypothesis testing; introduction to linear regression and correlation.

STT 210. Introduction to Statistics with Applications in the Health Sciences (3) Prerequisite: MAT 111. Collection, tabulation and graphical representation of data. Measures of location and variation, measures of association and chi-squared distribution, correlation and regression, binomial, Poisson and normal distributions, estimation and tests of hypotheses. Health care statistics, elementary computer skills in analysis of data and interpretation of computer printout.

STT 215. Introduction to Statistics with Applications in the Natural Sciences (3) Prerequisite: MAT 111 or 115. (Designed for students majoring in the natural sciences.) Graphical and numerical descriptive methods; random variables and probability distributions; estimation and hypothesis testing (large and small samples); linear regression and correlation; one-way analysis of variance; contingency tables and goodness of fit.

STT 262. Introduction to Probability and Statistics I (3) Prerequisite: MAT 151 or 161. Introduction to descriptive statistics, random variables and probability distributions. Topics include descriptive statistics, data collection, graphical methods, measures of location, measures of dispersion; sample spaces, probability rules, conditional probability, Bayes' theorem; discrete and continuous random variables, probability distributions, mathematical expectation, Tchebyshev's theorem; common discrete and continuous probability distributions with applications.

STT 305. Statistics in Practice (3) Prerequisite: An introductory statistics course from any department. The approaches and techniques used in the current practice of statistics. Topics include exploratory and confirmatory analyses; interactive graphical data analysis using modern statistical software. No previous computer experience required.

STT 350. Survey Sampling (3) Prerequisite: An introductory statistics course from any department. Elementary survey sampling on the design and analysis of sample surveys. Topics include design of questionnaires; methods of data collection; sample-survey designs including simple random sampling, stratified sampling, cluster sampling, and systematic sampling; ratio and regression estimation; two-stage cluster sampling; sampling from wildlife populations; sources of errors.

STT 362. Introduction to Probability and Statistics II (3) Prerequisite: STT 262 and MAT 152 or 162. Introduction to statistical inference. Topics include joint, conditional and marginal distributions; covariance; functions of random variables, moment generating functions, sampling distributions, central limit theorem; point and interval estimation; hypothesis testing; contingency tables and goodness of fit test.

STT 411. (511) Design of Experiments and Analysis of Variance (3) Prerequisite: Any elementary statistics course. Review of elementary statistics; design of experiments including completely randomized, randomized block, factorial, split-plot, and repeated measures designs; analysis of variance; non-parametric alternative methods of analysis. Statistical software packages will be used as appropriate in problem solving.

STT 412. (512) Applied Regression and Correlation (3) Prerequisite: Any elementary statistics course. Review of elementary statistics; linear and multiple regression; correlation. Statistical software packages will be used as appropriate in problem solving.

STT 430. (530) Introduction to Non-Parametric Statistics (3) Prerequisite: STT 362. Theory and methods of non-parametric statistics in the one- and two- sample problems and their comparisons with standard parametric procedures. Non-parametric tests for comparing more than two samples; tests of randomness and independence.

STT 440. (540) Linear Models and Regression Analysis (3) Prerequisite: MAT 261 and 335 and STT 362. Theoretical introduction to the general linear model and it application to simple linear regression and multiple regression. Estimation and hypothesis testing of model coefficients; residual analysis; analysis of covariance.

STT 465. (565; MAT 465/565) Applied Probability (3) Prerequisite: MAT 261 and STT 362. The formulation, analysis and interpretation of probabilistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.

STT 466-467. (566-567) Mathematical Statistics (3-3) Prerequisite: MAT 261 and STT 362. A rigorous introduction to mathematical statistics. Univariate and multivariate probability distributions; conditional and marginal distributions; theory of estimation and hypothesis testing; limiting distributions and the central limit theorem; sufficient statistics and the exponential class of probability density functions.

STT 475. Topics in Statistics (3) Prerequisite: Senior standing or permission of instructor. Topics of current interest in statistics not covered in existing courses. May be repeated under a different subtitle.

STT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, at least a 3.00 average on all mathematical sciences courses taken, junior or senior standing, and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

STT 499. Honors Work in Statistics (2-3) Prerequisite: Eligibility for honors program. Individual study for honors students.

Social Work Course Descriptions

(Department of Sociology and Anthropology)

SWK 235. Introduction to the Social Welfare System (3) The social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.

SWK 240. Basic Working Relationship Skills (3) Prerequisite: SWK 235 and corequisite: SWK 220. Multi-cultural working relationship skills for relationship-building, interviewing, problem identification, intervention and termination in generalist practice. Process recording, case assessment, summaries, and social work ethics and values will be covered.

SWK 301. Social Work Practice with Individuals and Families (3) Prerequisite: SWK 235. An introduction to the basic principles, methods and techniques which form the basis for social work practice with special emphasis on the professional use of self and utilization of systematic processes of problem solving in the delivery of social and rehabilitation services. The interview, social study, information gathering, group leadership, and other problem solving methods will be introduced.

SWK 306-307. Research Methods for Social Work Practice (3) Prerequisite: SWK 235. 306: Research methodologies in social work practice: client-centered research questions, theoretical frameworks, research designs, sampling, data collection, analysis and report writing. 307: Program and practice evaluation: designs, applications and ethical considerations.

SWK 311. Child Abuse and Neglect (3) Prerequisite: SWK 235. Current issues, national trends, and effective practice strategies. The continuum of child-welfare services needed to ensure child well-being including family preservation, child protection, permanency planning, residential care and adoption.

SWK 315. Issues for Social Workers in Mental Health (3) Prerequisite: SWK 235. Concepts of mental health and practice in social context. Managed care, models of practice, rural community mental health, and future directions in community health, all considered in a multicultural perspective.

SWK 318. Social Work and Health Care Delivery (3) Prerequisite: SWK 235. An examination of the rationale, issues, problems and practices related to the implementation of client-centered health care. New programs and proposals for the delivery of health services will be reviewed systematically with reference to the implications for social work practice.

SWK 320-321. Human Behavior in the Social Environment I and II (3-3) Prerequisite: SWK 235, PSY 105, and either BIO 105 or 240. Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. 320: prenatal through adolescence. 321: young adulthood through death.

SWK 341. Generalist Social Work Practice with Individuals and Families (3) Prerequisite: SWK 340. Methods and models of the social work process in diverse populations, settings, and social conditions. Basic problem-solving, advocacy, case management, and crisis intervention.

SWK 355. Working with At-Risk Populations (3) Prerequisite: SWK 235. Values, biases, and prejudices which produce personal and social vulnerability. Consequences in the lives of people of color, women, the poor, gays and lesbians, and others.

SWK 435. Social Welfare Policies (3) Prerequisite: PLS 101 and SWK 235. Corequisite: SWK 496. Social, cultural, economic, and political influences on the social welfare system. Policy-making, program development and planning.

SWK 442. Generalist Social Work Practice with Groups (3) Prerequisite: SWK 341. Basic group dynamics applied to task and treatment groups. Skills necessary to work effectively with groups and decision-making approaches that empower diverse peoples.

SWK 443. Social Work Practice with Communities and Organizations (3) Prerequisite: SWK 442 and corequisite: SWK 496 or 497. Knowledge, values, and skills common to social work practice at the community and organizational levels. Principles of social planning, community development, and social action. Topics include needs assessment, program planning and development, organizational change and program evaluation.

SWK 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

SWK 495. Topical Seminar (1-3) Prerequisite: SOC 105, SWK 235 and consent of instructor. Discussion of selected topics in social work. May be repeated under a different subtitle.

SWK 496, 497. Field Practicum I, II (6-6) Prerequisite: SWK 235, SWK 321, SWK 341, SWK 306 and consent of instructor. Development and application of skills used in social work practice. Supervision of student field experience in a community social service setting. Analysis and discussion of field experiences in a series of field seminars to be arranged by the field liaison. (A minimum of 480 hours of field work is required.)

SWKL 496, 497. Social Work Practicum Laboratory I, II (1, 1) Corequisite: SWK 496, 497. Integration of practicum and theory through the discussion of selected topics related to social work practice. To be taken concurrently with SWK 496, 497. Two hours each week.

For 292 and 492; 294 and 494, see explanations on p. 102, 158.

Theatre Course Descriptions

(Department of Fine Arts)

THR 130. Improvisation (3) Exploration of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance.

THR 201. Technical Production I (3) Basic principles of scenic material and equipment. Use of material, methods of construction, and handling of scenery and properties. One lecture and six laboratory hours per week. Participation in University Theatre productions required.

THR 202. Technical Production II (3) Prerequisite: THR 201 or consent of instructor. Practical training in shop organization and technical production, plus basic principles of theatrical graphics. Two lecture and four laboratory hours each week. Participation in University Theatre productions required.

THR 205. Stage Make-up (2) Theory and practice in the application of make-up for theatrical performances. Four laboratory hours each week.

THR 206. Costume History and Construction (3) An examination of major historical costume styles. The student also will learn basic costume construction techniques, applying those techniques to individual projects as well as to the costumes for departmental productions. Two lecture hours and three laboratory hours per week.

THR 210. Introduction to Theatre Design (3) Theatre design with emphasis on basic design practices and aesthetics. Beginning exercises in scene, costume, and lighting design. Selected designers from past and contemporary theatre.

THR 221. Introduction to the Theatre (3) Appreciation of theatre through an understanding of its artistic elements, history, dramatic literature, and audience involvement.

THR 225. History and Appreciation of Film (3) A survey through film of the development of motion picture from its primitive beginnings to the advent of sound film. A visual illustration of the basic aesthetic principles controlling film as art.

THR 230. Acting for Non-Majors (3) An introduction to basic acting techniques for non-majors.

THR 231. Acting I: Introduction for Theatre Majors (4) Prerequisite: Consent of instructor. Fundamental techniques of acting.

THR 232. Acting II: Intermediate (4) Prerequisite: THR 231 or consent of instructor. Continuation of Acting I with increased emphasis on individual growth, creative development, and scene study and performance. Three lecture hours and two and one-half laboratory hours each week.

THR 241. Theatre Practice: Publicity and Box Office (1) Structured involvement in theatre production preparation. Hands-on exposure to the areas of publicity and front-of-house functions. Running crew participation for UNCW University Theatre productions required. Six laboratory hours per week.

THR 242. Theatre Practice: Scenery and Properties (1) Structured involvement in theatre production preparation. Hands-on exposure to the areas of scenery construction, painting, and properties procurement. Running crew participation for UNCW University Theatre productions required. Six laboratory hours per week.

THR 243. Theatre Practice: Costumes and Makeup (1) Structured involvement in theatre production preparation. Hands-on exposure to the areas of costuming and makeup. Running crew participation for UNCW University Theatre productions required. Six laboratory hours per week.

THR 244. Theatre Practice: Lighting and Sound (1) Structured involvement in theatre production preparation. Hands-on exposure to the areas of lighting and sound. Running crew participation for UNCW University Theatre productions required. Six laboratory hours per week.

THR 245. Advanced Theatre Practice (1) Prerequisites: THR 241 or 242 or 243 or 244 or consent of instructor. Advanced involvement in theatre production preparation. Chosen area of participation subject to instructor's approval. Running crew participation for UNCW University Theatre productions required. May be repeated once for credit. Six laboratory hours per week.

THR 301. Movement for the Actor (3) Prerequisite: Theatre major or consent of instructor. Introduction to body work in acting.

THR 302. Voice for the Actor (3) Prerequisite: Theatre major or consent of instructor. intensive study of the speaking vocal instrument for stage and screen.

THR 305. Scenic Design (3) Prerequisite: THR 202 or consent of instructor. Play interpretation through the scenic elements. Problems in theatre graphics, techniques application, script interpretation, scenic design and style. Two class hours and two laboratory hours each week.

THR 306. Stage Lighting (3) Prerequisite: THR 202 or consent of instructor. Basic techniques of theatrical lighting. Includes fundamentals of electricity, lighting equipment, the use of color, and the basic principles of design. Two lecture and two laboratory hours each week. Participation in University Theatre productions required.

THR 307. Theatre Management (3) Course focuses on various aspects of management: publicity, business management, public relations, and house management.

THR 308. Costume Design (3) Prerequisite: THR 206. Principles and elements in theatrical design applied to stage costume. Play interpretation through costume design; problems in period plays, theatrical styles, and directorial concepts. Two lecture hours and two laboratory hours per week.

THR 309. Rendering Techniques (3) Prerequisite: THR 210 or consent of instructor. Learning and practice of theatrical rendering techniques in costume and scene design with use of mixed media. Focus on basic skills of figure drawing, perspective, drapery, and rendering styles.

THR 316. (ENG 316) Playwriting I (3) Prerequisite: ENG 102. Analysis of one-act plays and their construction; the writing of an original one-act play required.

THR 321. Theatre History I (3) Theatrical contributions to dramatic literature from fifth century B.C. Classical Greece to late seventeenth century French Classicism. Emphasis on play reading and theatre production styles as related to changes in society.

THR 322. Theatre History II (3) Theatrical contributions to dramatic literature from the late seventeenth century English Restoration to World War II. Emphasis on play reading and theatre production style as related to changes in society.

THR 333. Acting III: Advanced (3) Prerequisite: THR 232 or consent of instructor. Preparation for performance and individual character study for the advanced student of acting.

THR 355. Directing I (3) Fundamental principles of directing with emphasis on one-act productions.

THR 425. Aesthetics of Film (3) A study of the various forms and content of film as controlled by the film director. The theoretical aspects of film as a work of art. Two class hours and two laboratory hours each week.

THR 445. (ENG 445) Playwriting II (3) Prerequisite: THR 316 (ENG 316) or permission of instructor. Advanced techniques of playwriting with an emphasis on full-length plays; the writing of an original full-length play.

THR 455. Directing II (3) Prerequisite: THR 355. Advanced techniques in the direction of plays for the stage.

THR 461, 462. Seminar in Dramatic Theory (3,3) Prerequisite: Senior standing or consent of instructor. Growth and results of dramatic theory on theatre. 461: Aristotle to Romantic Period. 462: Ibsen to the present.

THR 485. Senior Project (3) Every major may choose an area in theatre for a senior project. The proposal for planning and executing a public presentation in the chosen area must be submitted to the faculty of the Department of Fine Arts for approval prior to the semester during which the project will be attempted.

THR 486. Senior Seminar (3) Prerequisite: Senior standing in theatre. A comprehensive assessment and synthesis of the student's four-year experience as a theatre major in preparation for employment or continued study. Preparation of portfolio and scenes.

THR 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

THR 495. Theatre Seminars (1-3) Consideration of special subjects not covered in regular course offerings. More than one topic may be taken for credit.

THR 498. Internship in Theatre (3 or 6) Prerequisite: Junior or Senior standing, and permission of chair. Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

THR 499. Honors Work in Theatre (2-3) Prerequisite: Senior standing. Independent study for honors students.

For 292 and 492; 294 and 494 see explanation on p. 102, 158.

University Studies Course Descriptions

(Student Academic Support Programs)

UNI 101. Freshman Seminar (2) A seminar course designed to integrate freshmen into the university community. Explores faculty and student roles, goals of liberal arts learning, academic ethics, and application of effective strategies for time management, study skills, critical thinking, public speaking, electronic communication, and career selection. Emphasis on the development of a mentor relationship between instructor and students.

UNI 102. Library Literacy (1) Concepts and methodology for developing library search strategies; locating, selecting, and evaluating relevant information resources. One lecture hour per week.

UNI 103. The Electronic Library (1) Concepts and methodology of electronic information resources and the online public access catalog. Government and private CD-ROM databases, remote databases and Internet resources.

Special Academic Centers

SPECIAL ACADEMIC CENTERS

CENTER FOR BUSINESS AND ECONOMICS SERVICES

The Center for Business and Economics Services in the Cameron School of Business Administration at the University of North Carolina at Wilmington is the business research/extension division in the business school. Center staff provide research services and sponsor seminars to provide technical assistance in regional economic development and prepare individuals to develop further their managerial, technical, and personal capabilities. The center publishes the *Carolina Coast Business Review* twice a year.

CENTER FOR MARINE SCIENCE RESEARCH

The Center for Marine Science Research at the University of North Carolina at Wilmington is dedicated to providing an environment that fosters a multidisciplinary approach to questions in basic marine research. The mission of the center is to promote basic and applied research in the fields of oceanography, coastal and wetland studies, marine biomedical and environmental physiology, and marine biotechnology and aquaculture. Faculty members conducting marine science research in the departments of biological sciences, chemistry, earth sciences and physics participate in this program.

The center fosters research programs of the highest quality and thereby enhances the educational experience provided by the University of North Carolina at Wilmington for both undergraduate and graduate students in marine science.

The center's primary facilities are located on a four-acre tract near the Intracoastal Waterway at Wrightsville Beach. Encompassing 20,000 square feet, these facilities house fourteen research laboratories, various science and administrative offices, a video equipment/editing room, a fully equipped machine tool shop, an aquatic specimens holding room, and a seminar/conference room. Additional laboratory space is available for research requiring constant flow-through seawater.

The center maintains nine research vessels ranging in size from thirteen to twenty-nine feet and specialized equipment including a Superphantom Remotely Operated Vehicle (ROV), a low temperature aquarium room, and an extensive microscopy capability including transmission and scanning electron, inverted, phase-contract, and confocal tandem scanning.

The Center for Marine Science Research serves as host for the NOAA sponsored National Undersea Research Center for the Southeastern United States. Based upon competitive proposals, NURC annually supports fisheries management, ocean floor processes, and other research projects from the Gulf of Maine to the Gulf of Mexico.

The headquarters for the North Carolina National Estuarine Research Reserve is located at the Center for Marine Science Research through a cooperative agreement with the N.C. Division of Coastal Management. The NCNERR Program manages four estuarine reserve sites as natural laboratories and coordinates research and education activities. The four sites, Zeke's Island, Rachel Carson Island, Currituck Banks, and Masonboro Island represent biologically diverse, highly productive estuarine systems composed of uplands, intertidal wetlands, and open waters.

SCIENCE AND MATHEMATICS EDUCATION CENTER

The Science and Mathematics Education Center at UNCW is a member of the University of North Carolina Mathematics and Science Education Network. The center offers a wide range of professional development programs for inservice elementary-, middle-, and high-school mathematics and science teachers. Through center sponsored seminars, workshops, and courses, teachers can achieve initial certification in science or mathematics and renew existing certificates.

Information concerning upcoming programs may be obtained by contacting the director of the Science and Mathematics Education Center.

CENTER FOR TEACHING EXCELLENCE

The mission of the Center for Teaching Excellence is to help UNCW faculty and other instructional staff develop outstanding educational programs. Examples of the center's services are:

1) summer salary support for course development,
2) travel support for attending meetings, workshops, and visits to other universities related to course development,
3) assistance with course design and student assessment,
4) technical assistance for implementing instructional technologies,
5) funds for testing new or improved programs,
6) faculty seminars and workshops to discuss issues related to teaching and learning,
7) active involvement in the North Carolina Colloquy for University Teaching, whose members come from all 16 campuses in the university-system,
8) orientation luncheon for new faculty, and
9) publication of a newsletter, the *CTE Forum*.

Programs and activities of the center are designed to promote excellence in teaching among all faculty, graduate teaching assistants, and others who have instructional responsibilities.

Contact the director of the Center for Teaching Excellence for information on upcoming programs and to suggest future programs.

Faculty

FACULTY

Lavonne J. Adams, *lecturer in English*, B.A., M.A., The University of North Carolina at Wilmington.

Mike S. Adams, *assistant professor of criminal justice*, B.A., M.S., Ph.D., Mississippi State University.

Sheila Anne Adams, *associate professor of management*, B.S., M.B.A., University of Nevada-Reno; Ph.D., University of Washington.

Virginia W. Adams, *professor of nursing*, B.S.N., Winston Salem State University; M.S.N., The University of North Carolina at Chapel Hill; Ph.D., The University of North Carolina at Greensboro.

Louis Henry Adcock, *professor of chemistry*, B.S., M.A., Duke University; Ph.D., Louisiana State University.

Gur Saran Adhar, *associate professor of mathematical sciences*, B.Sc., Agra University, India; M.B.A., Indian Institute of Management, Bangalore, India; M.S., Ph.D., University of Maryland.

Lindsay Pentolfe Aegerter, *assistant professor of English*, B.A., University of Cape Town; M.A., San Diego State University; Ph.D., University of Washington.

Syed Shahzad Ahmad, *associate professor of political science*, B.A., M.A., Aligarh University; Ph.D., University of Tennessee.

William Franklin Ainsley, Jr., *professor of geography*, A.B., M.A., The University of North Carolina at Chapel Hill; M.Div., Southeastern Baptist Theological Seminary; Ph.D., The University of North Carolina at Chapel Hill.

A. Midori Albert, *assistant professor of anthropology*, B.A., M.A., University of Florida; Ph.D., University of Colorado, Boulder.

Moorad Alexanian, *professor of physics*, B.S., University of Rhode Island; M.S., Ph.D., Indiana University.

Ann S. Allen, *instructor in nursing*, B.S.N., East Carolina University; M.P.H., The University of North Carolina at Chapel Hill.

David Bruce Allen, *lecturer in physical education*, B.S., M.S., Springfield College.

Ferenc Altrichter, *associate professor of philosophy and religion*, B.A., B.S., M.A., M.S., Eotvos Lorand University of Budapest; Ph.D., Hungarian Academy of Sciences.

Elizabeth T. Anderson, *adjunct lecturer in medical technology*, B.A., University of North Carolina at Greensboro; B.A., Bowman-Gray School of Medical Technology; MT (ASCP), M.A., University of North Carolina at Charlotte.

John Michael Anderson, *professor of management information systems*, B.S., United States Naval Academy; A.B., The University of North Carolina at Wilmington; M.B.A., East Carolina University; Ph.D., North Carolina State University.

James Milton Applefield, *associate professor of education*, B.A., The University of North Carolina at Chapel Hill; M.A., Emory University; M.Ed., University of Georgia, Ph.D., Georgia State University.

Pauline F. Applefield, *assistant professor of psychology*, B.A., Bethany College; M.S., Ph.D., The Pennsylvania State University.

Robert W. Appleton, *associate professor of accountancy*, B.S., Belmont College; M.B.A., Memphis State University; CPA.

Robert T. Argenbright, *assistant professor of geography*, B.A., M.A., Ph.D., University of California, Berkley.

Fred D. Astren, *assistant professor of philosophy and religion*, B.E.S., University of Minnesota; M.A., Ph.D., University of California, Berkeley.

William D. Atwill, *associate professor of English*, B.A., University of South Florida; M.A., Florida Atlantic University; Ph.D., Duke University.

Saul Bachner, *professor of education*, B.A., M.Ed., Ph.D., Wayne State University.

Ravija Badarinathi, *professor of management science*, B.S., M.S., Allahabad University; Ph.D., University of Georgia.

Jack D. Baker, *associate professor of accountancy*, B.A., University of Colorado; M.S. Ph.D., University of Missouri at Columbia; CPA.

Thomas L. Baker, *assistant professor of marketing*, B.B.A., M.P.A., University of Kentucky; Ph.D., Florida State University.

Timothy Alan Ballard, *associate professor of biology*, B.A., Appalachian State University; Ph.D., Bowman Gray School of Medicine of Wake Forest University.

Lisa N. Barham, *lecturer in nursing*, B.S.N., M.S.N., The University of North Carolina at Chapel Hill.

Simona Bartl, *assistant professor of biology*, B.S., University of California at Davis, Ph.D., University of California at San Diego.

Paz Irabagon Bartolome, *professor of education*, B.S., E. Ed., Philippine Normal; M.Ed., Miami University; Ph.D., The Ohio State University.

David Bejou, *assistant professor of marketing*, B.A., Tehran University; M.B.A., Embry-Riddle Aeronautical University; Ph.D., University of Memphis.

John P. Bennett, *associate professor of physical education*, A.B., The College of William and Mary; M.Ed., Virginia Commonwealth University; Ed.D., Northern Illinois University.

Kathleen Christine Berkeley, *professor of history*, B.A., M.A., Ph.D. University of California, Los Angeles.

David Roy Berman, *assistant professor of mathematical sciences*, B.A., University of Texas at Austin; M.A., University of California at Berkeley; Ph.D., University of Texas at Austin.

Frederick M. Bingham, *assistant professor of physics*, B.A., Oberlin College; Ph.D., University of California, San Diego.

Kimon T. Bird, *professor of biology*, B.A., University of Texas, Austin; M.S., University of Southern California; Ph.D., University of South Florida, Tampa.

David Blake, *associate professor of geology*, B.S., University of North Carolina; M.S., North Carolina State University; Ph.D., Washington State University.

Robert G. Blundo, *assistant professor of social work*, B.A., Emory University; M.S.W., Adelphi University; Ph.D., University of Maryland at Baltimore.

William James Bolduc, *assistant professor of communication studies*, B.S., M.B.A., Miami University (Ohio); Ph.D., Florida State University.

Eric George Bolen, *professor of biology*, B.S., University of Maine; M.S., Ph.D., Utah State University.

Madeleine Yvonne Bombeld, *lecturer and reference librarian*, B.A., M.Ed., M.L.S., University of North Carolina at Greensboro.

Frank Joseph Bongiorno, *professor of music*, B.M., Ithaca College; M.M., North Texas State University; D.M., Indiana University.

Andrea J. Bourdelais, *visiting assistant professor*, B.A., University of Vermont; Ph.D., Washingston State University.

Sharon Bourque, *assistant professor of physical education*, B.S., M.S., Louisiana State University; Ph.D., University of South Carolina.

Michael Bradley, *professor of psychology*, B.A., M.Ed., Ed.D., University of Georgia.

Toni L. Bratton, *associate professor of drama*, B.A., Texas Tech University; M.F.A., University of Texas, Austin.

Ralph W. Brauer, *adjunct professor of biology*, A.B., Columbia University; M.Sc., Ph.D., University of Rochester.

Eileen G. Brown, *assistant professor and reference librarian*, A.B., University of Massachusetts at Amherst; M.L.I.S., Catholic University of America.

Jeffrey L. Brown, *associate professor of mathematical sciences*, B.S., M.A., Ph.D., University of Georgia.

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Brad Brownell, *lecturer in physical education*, B.A., De Pauw University; M.A., University of Indianapolis.

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Deborah A. Brunson, *associate professor of communication studies*, B.S., Howard University; M.S., University of Southwestern Louisiana; Ph.D., Florida State University.

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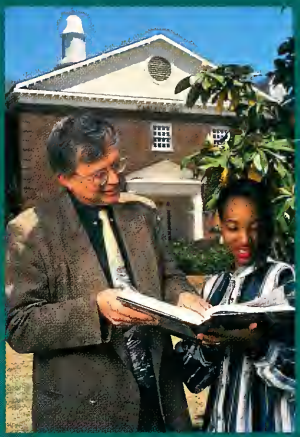

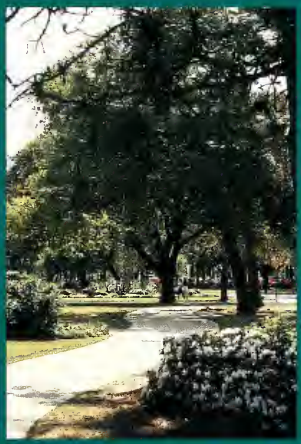

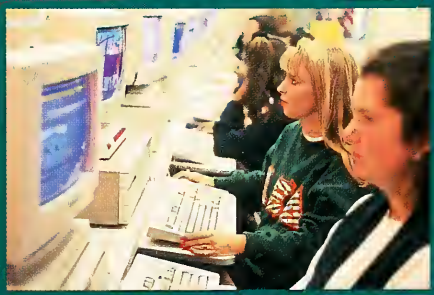

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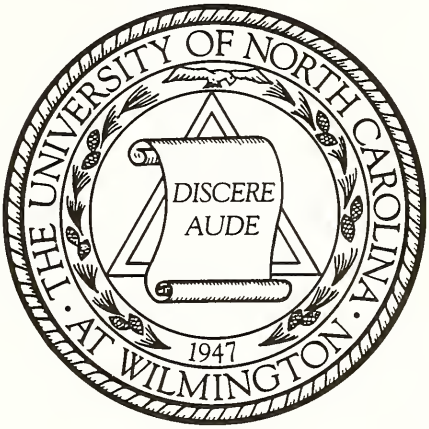

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The University of North Carolina at Wilmington is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, gender, age, or disability. Moreover, the University of North Carolina at Wilmington is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of black students.

Further, the university affirms that admissions and employment decisions will be made without regard to an individual's political affiliation, sexual orientation, or relationship to other university constituents. The university seeks to promote campus diversity by employing a larger number of minorities and females where these groups are under-utilized within the university.

Questions regarding program access should be referred to the compliance officer, UNCW Chancellor's Office, 601 S. College Road, Wilmington, NC 28403-3297, (910) 962-3835, 962-3038 (fax).

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University Operator	(910) 962-3000

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A separate graduate catalogue is available in the Graduate School.

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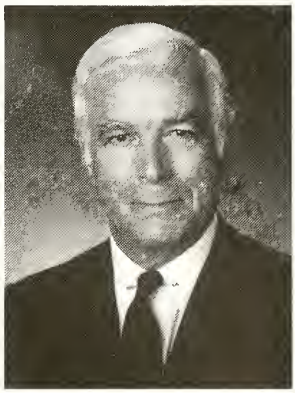

On behalf of the Board of Trustees, it is a pleasure to welcome you to the University of North Carolina at Wilmington. With its location near the coast and beautiful campus with modified Georgian Architecture, the university is an intellectually stimulating place to live and study. By choosing this institution of higher learning, you have chosen a place dedicated to providing you with the best possible education. A caring faculty and staff are here not only to teach required courses, but to encourage, guide, and motivate you to reach your highest potential as an individual. With a focus on the development of the whole student, UNCW offers a variety of support services designed to ensure a student's success. It will, however, take a serious commitment on your part to wisely utilize your time, energy, and resources to make the most of your college experience.

As trustees, we challenge you to take part in as many activities as your schedule will allow. Classtime, student government, concerts, lectures, and an active social life are all important to enrich your life and prepare you for the future.

We wish you the very best in your exciting quest to achieve your goals.

Sincerely yours,

Connie S. Yow

Connie S. Yow
Chair of the Board of Trustees

As you begin your academic career at the University of North Carolina at Wilmington, you are entering a new phase of your life, one that will be devoted to rigorous pursuits of the mind and personal development. You have chosen an institution where faculty care about students and where students care about building a tradition of academic achievement. The environment of this lovely old port city will make living and studying a memorable experience.

I welcome you to this institution and challenge you to take full advantage of the opportunities for intellectual and emotional growth. Get to know your professors — debate with them, speak out in class, hear new and different ideas, learn the joy of discovery. Take advantage of cultural offerings. Become a campus leader. Get involved in politics. Enjoy an active social life. Study abroad to learn about another culture.

UNCW faculty and staff are vitally interested in your success, and are here to help you. I keep regular office hours for students, and want you to come see me if you think I can help you or if you just want to chat.

With all best wishes,

James R. Leutze

Dr. James R. Leutze
Chancellor

1997

JANUARY

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CALENDAR OF EVENTS
1997-98

Fall Semester, 1997

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

August 11, Monday	Academic Year begins
August 16, Saturday	On-campus housing opens for new and transfer students only 10 a.m.
August 17-19, Sunday-Tuesday	Orientation and advising
August 18, Monday	On-campus housing opens for returning students 10 a.m.
August 19, Tuesday	Convocation
August 20, Wednesday	Classes begin
August 27, Wednesday	Last day for registration/Last day to drop a class (without a grade) or add a class
September 1, Monday	Labor Day holiday
September 11, Thursday	Faculty Meeting
September 15, Monday	Graduation application deadline — Fall 1997— undergraduate students
October 1, Wednesday	Last day to withdraw with W—undergraduate students
October 8, Wednesday	Fall vacation begins 10:30 p.m.
October 13, Monday	Fall vacation ends 8 a.m.
November 12, Wednesday	Last day to withdraw with W—graduate students
November 25, Tuesday	Thanksgiving vacation begins 10:30 p.m.
December 1, Monday	Thanksgiving vacation ends 8 a.m.
December 6, Saturday	Commencement
December 10, Wednesday	Last day of classes
December 11, Thursday	Reading Day
December 12-13, Friday-Saturday	Final Examinations
December 15-18, Monday-Thursday	Final Examinations
December 18, Thursday	Fall semester ends/Graduation application deadline—Spring 1998—graduate students
December 19, Friday	On-campus housing closes 10 a.m.

Spring Semester, 1998

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

January 5, Monday	On-campus housing opens for new and transfer students only 10 a.m.
January 5, Monday	Orientation and advising/Spring semester begins
January 6, Tuesday	On-campus housing opens for returning students 10 a.m.
January 7, Wednesday	Classes begin
January 14, Wednesday	Last day for registration/Last day to drop a class (without a grade) or add a class
January 19, Monday	Martin Luther King holiday
February 16, Monday	Graduation application deadline—Spring 1998—undergraduate students
February 18, Wednesday	Last day to withdraw with W—undergraduate students

March 6, Friday	Spring vacation begins 10:30 p.m.
March 7, Saturday	On-campus housing closes 10 a.m.
March 15, Sunday	On-campus housing opens 10 a.m.
March 16, Monday	Spring vacation ends 8 a.m.
April 1, Wednesday	Last day to withdraw with W—graduate students
April 8, Wednesday	Easter vacation begins 10:30 p.m.
April 13, Monday	Easter vacation ends 8 a.m.
April 16, Thursday	Faculty Meeting
May 1, Friday	Last day of classes
May 2, Saturday	Reading Day
May 4-9, Monday-Saturday	Final Examinations
May 9, Saturday	Spring semester ends/Graduation application deadline—Summer 1998—graduate students
May 10, Sunday	On-campus housing closes 10 a.m.
May 16, Saturday	Commencement/Academic year ends

Summer Session I, 1998

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

May 20, Wednesday	On-campus housing opens 10 a.m.
May 21, Thursday	Classes begin
May 25, Monday	Memorial Day holiday
May 26, Tuesday	Last day for registration/Last day to drop (without a grade) or add a class
June 3, Wednesday	Last day to withdraw with W—undergraduate students
June 12, Friday	Last day to withdraw with W—graduate students
June 15, Monday	Graduation application deadline—Summer 1998—undergraduate students
June 23, Tuesday	Last day of classes
June 24, Wednesday	Final examinations/Term ends
June 25, Thursday	On-campus housing closes 10 a.m.

Summer Session II, 1998

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

June 28, Sunday	On-campus housing opens 10 a.m.
June 29, Monday	Classes begin
July 1, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class
July 3, Friday	Independence Day holiday
July 10, Friday	Last day to withdraw with W—undergraduate students
July 21, Tuesday	Last day to withdraw with W—graduate students
July 30, Thursday	Last day of classes
July 31, Friday	Final examinations/Term ends/Graduation application deadline—Fall 1998—graduate students
August 1, Saturday	On-campus housing closes 10 a.m.

CALENDAR OF EVENTS
1998-99

Fall Semester, 1998

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

August 10, Monday	Academic year begins
August 15, Saturday	On-campus housing opens for new and transfer students only 10 a.m.
August 16-18, Sunday-Tuesday	Orientation and advising
August 17, Monday	On-campus housing opens for returning students 10 a.m.
August 18, Tuesday	Convocation
August 19, Wednesday	Classes begin
August 26, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class
September 7, Monday	Labor Day holiday
September 10, Thursday	Faculty Meeting
September 15, Tuesday	Graduation application deadline—Fall 1998—undergraduate students
September 30, Wednesday	Last day to withdraw with W—undergraduate students
October 7, Wednesday	Fall vacation begins 10:30 p.m.
October 12, Monday	Fall vacation ends 8 a.m.
November 11, Wednesday	Last day to withdraw with W—graduate students
November 24, Tuesday	Thanksgiving vacation begins at 10:30 p.m.
November 30, Monday	Thanksgiving vacation ends at 8 a.m.
December 5, Saturday	Commencement
December 9, Wednesday	Last day of classes
December 10, Thursday	Reading Day
December 11-12 Friday-Saturday	Final Examinations
December 14-17 Monday-Thursday	Final Examinations
December 17, Thursday	Fall semester ends/Graduation application deadline —Spring 1999—graduate students
December 18, Friday	On-campus housing closes 10 a.m.

Spring Semester, 1999

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

January 4, Monday	On-campus housing opens for new and transfer students only 10 a.m.
January 4, Monday	Spring semester begins/Orientation and Advising
January 5, Tuesday	On-campus housing opens for returning students 10 a.m.
January 6, Wednesday	Classes begin
January 13, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class
January 18, Monday	Martin Luther King holiday
February 15, Monday	Graduation application deadline—Spring 1999—undergraduate students
February 17, Wednesday	Last day to withdraw with W—undergraduate students

March 5, Friday	Spring vacation begins 10:30 p.m.
March 6, Saturday	On-campus housing closes 10 a.m.
March 14, Sunday	On-campus housing opens 10 a.m.
March 15, Monday	Spring vacation ends 8 a.m.
March 31, Wednesday	Easter vacation begins 10:30 p.m./Last day to withdraw with W—graduate students
April 5, Monday	Easter vacation ends 8 a.m.
April 8, Thursday	Faculty Meeting
April 30, Friday	Last day of classes
May 1, Saturday	Reading Day
May 3-8, Monday-Saturday	Final Examinations
May 8, Saturday	Spring semester ends/Graduation application deadline—Summer 1999—graduate students
May 9, Sunday	On-campus housing closes 10 a.m.
May 15, Saturday	Commencement/Academic year ends

Summer Session I, 1999

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

May 19, Wednesday	On-campus housing opens 10 a.m.
May 20, Thursday	Classes begin
May 25, Tuesday	Last day for registration/Last day to drop (without a grade) or add a class
May 31, Monday	Memorial Day holiday
June 2, Wednesday	Last day to withdraw with W—undergraduate students
June 11, Friday	Last day to withdraw with W— graduate students
June 15, Tuesday	Graduation application deadline—Summer 1999—undergraduate students
June 22, Tuesday	Last day of classes
June 23, Wednesday	Final examinations/Term ends
June 24, Thursday	On-campus housing closes 10 a.m.

Summer Session II, 1999

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

June 27, Sunday	On-campus housing opens 10 a.m.
June 28, Monday	Classes begin
June 30, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class
July 5, Monday	Independence Day holiday
July 9, Friday	Last day to withdraw with W—undergraduate students
July 20, Tuesday	Last day to withdraw with W—graduate students
July 29, Thursday	Last day of classes
July 30, Friday	Final examinations/Term ends/Graduate application deadline—Fall 1999—graduate students
July 31, Saturday	On-campus housing closes 10 a.m.

CALENDAR OF EVENTS
1999-2000

Fall Semester, 1999

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

August 9, Monday	Academic year begins
August 14, Saturday	On-campus housing opens for new and transfer students only 10 a.m.
August 15-17, Sunday-Tuesday	Orientation and advising
August 16, Monday	On-campus housing opens for returning students 10 a.m.
August 17, Tuesday	Convocation
August 18, Wednesday	Classes begin
August 25, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class
September 6, Monday	Labor Day holiday
September 9, Thursday	Faculty Meeting
September 15, Wednesday	Graduation application deadline — Fall 1999 — undergraduate students
September 29, Wednesday	Last day to withdraw with W—undergraduate students
October 6, Wednesday	Fall vacation begins 10:30 p.m.
October 11, Monday	Fall vacation ends 8 a.m.
November 10, Wednesday	Last day to withdraw with W—graduate students
November 23, Tuesday	Thanksgiving vacation begins at 10:30 p.m.
November 29, Monday	Thanksgiving vacation ends at 8 a.m.
December 4, Saturday	Commencement
December 8, Wednesday	Last day of classes
December 9, Thursday	Reading Day
December 10-11 Friday-Saturday	Final Examinations
December 13-16 Monday-Thursday	Final Examinations
December 16, Thursday	Fall semester ends/Graduation application deadline —Spring 2000—graduate students
December 17, Friday	On-campus housing closes 10 a.m.

Spring Semester, 2000

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

January 3, Monday	On-campus housing opens for new and transfer students only 10 a.m.
January 3, Monday	Spring semester begins/Orientation and Advising
January 4, Tuesday	On-campus housing opens for returning students 10 a.m.
January 5, Wednesday	Classes begin
January 12, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class
January 17, Monday	Martin Luther King holiday
February 15, Tuesday	Graduation application deadline—Spring 2000—undergraduate students
February 16, Wednesday	Last day to withdraw with W—undergraduate students

March 3, Friday	Spring vacation begins 10:30 p.m.
March 4, Saturday	On-campus housing closes 10 a.m.
March 12, Sunday	On-campus housing opens 10 a.m.
March 13, Monday	Spring vacation ends 8 a.m.
March 29, Wednesday	Last day to withdraw with W—graduate students
April 13, Thursday	Faculty Meeting
April 19, Wednesday	Easter vacation begins 10:30 p.m.
April 24, Monday	Easter vacation ends 8 a.m.
April 28, Friday	Last day of classes
April 29, Saturday	Reading Day
May 1-6, Monday-Saturday	Final Examinations
May 6, Saturday	Spring semester ends/Graduation application deadline—Summer 2000—graduate students
May 7, Sunday	On-campus housing closes 10 a.m.
May 13, Saturday	Commencement/Academic year ends

Summer Session I, 2000

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

May 17, Wednesday	On-campus housing opens 10 a.m.
May 18, Thursday	Classes begin
May 22, Monday	Last day for registration/Last day to drop (without a grade) or add a class
May 29, Monday	Memorial Day holiday
May 31, Wednesday	Last day to withdraw with W—undergraduate students
June 9, Friday	Last day to withdraw with W—graduate students
June 15, Thursday	Graduation application deadline—Summer 2000—undergraduate students
June 20, Tuesday	Last day of classes
June 21, Wednesday	Final examinations/Term ends
June 22, Thursday	On-campus housing closes 10 a.m.

Summer Session II, 2000

Registration and Sea Line dates-Please refer to the Schedule of Classes bulletin.

June 25, Sunday	On-campus housing opens 10 a.m.
June 26, Monday	Classes begin
June 28, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class
July 4, Tuesday	Independence Day holiday
July 7, Friday	Last day to withdraw with W—undergraduate students
July 18, Tuesday	Last day to withdraw with W—graduate students
July 27, Thursday	Last day of classes
July 28, Friday	Final examinations/Term ends/Graduation application deadline—Fall 2000—graduate students
July 29, Saturday	On-campus housing closes 10 a.m.

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The University

HISTORY OF THE UNIVERSITY OF NORTH CAROLINA

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of the University of North Carolina. The University of North Carolina at Wilmington is one of the 16 constituent institutions of the multi-campus state university.

The University of North Carolina, chartered by the N.C. General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of the University of North Carolina was at Chapel Hill.

In 1877, the N.C. General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the N.C. General Assembly redefined the University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus University operated with one board of trustees and one president. By 1969, three additional campuses had joined the University through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the General Assembly passed legislation bringing into the University of North Carolina the state's ten remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created the current 16-campus University. (In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the University; and in 1996, Pembroke State University was renamed The University of North Carolina at Pembroke through Legislative action.)

The UNC Board of Governors is the policy-making body legally charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." It elects the president who administers the University. The 32 voting members of the Board of Governors are elected by the General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the 16 constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex-officio. (The NC School of the Arts has two additional ex-officio members.) Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

Expanded Statement of Institutional Mission

The University of North Carolina at Wilmington is a community of scholars dedicated to excellence in teaching, learning, research, artistic achievement, and service to local and global communities. It is an evolving comprehensive university of moderate size that values close relationships among students, faculty and staff in a diverse, supportive, and challenging intellectual environment.

The institution offers a wide range of undergraduate and master's degree programs, as well as a cooperative doctoral program in marine science. The university's continuing focus is on teaching, expanding basic and applied research activities, and meeting the public service needs of southeastern North Carolina.

Founded as Wilmington College in 1947, the university owes much of its development and dynamic character to its heritage and location. The student-centered philosophy of the university comes in part from its origin as a college with small classes and its pledge to continually enhance interactions between students and faculty. With growth, the focus has expanded to include graduate students, bringing increased opportunities for scholarly activities.

As the only public university in southeastern North Carolina, this institution bears a special responsibility for education and service. The university is committed to providing lifelong learning opportunities, assisting with the improvement of public school education, and enhancing the personal, cultural, and economic health of the region. Located in a historic port city, the university provides related experiences in cultural, commercial, and archaeological studies. UNCW's proximity to the Atlantic Ocean, its existing marine science programs, and its faculty expertise enhance the state's leadership in marine studies and provide an exceptional opportunity to teach and practice environmental awareness and responsibility. The Center for Marine Science Research promotes basic research in oceanography, coastal and wetland science, marine biotechnology and aquaculture, and marine biomedical and environmental physiology. A cooperative doctoral degree in marine science is offered in conjunction with master of science degree programs in marine biology. In addition to its broad commitment to preserving the resources of the coastal environment, the university is also dedicated to the preservation of conservation areas on campus that are representative of ecosystems in the region.

Quality undergraduate education is the cornerstone of the university's instructional activities. Efforts to enroll, retain and graduate students from diverse socioeconomic, geographic, and demographic backgrounds are being expanded. The university seeks to stimulate in its students intellectual curiosity, ethics, imagination, rational thinking, thoughtful expression, and a love of learning. Knowledge of the humanities, social and natural sciences, and fine arts, along with effective communication and decision-making skills are central to the curriculum. Students are encouraged to develop an understanding of their own and other cultures in order to appreciate the rich variety of thought and lifestyles that form the world in which they live. The university offers programs to help students clarify values, develop physical well-being, work independently and interdependently, and participate in university governance. The university is committed to providing each student with opportunities, resources, and guidance to achieve personal, academic, and career goals.

Excellence in teaching and creative scholarly activity are fundamental for any university. To meet the challenges that a diverse campus community brings, faculty are given increasing opportunities and resources to enhance instructional skills.

Superior teachers are recognized for their efforts and serve as role models for others in the profession. The pursuit of knowledge and understanding complements effective teaching, sustains intellectual vitality, and is an important contribution to the larger community. Research and artistic endeavors are essential for faculty and students. The university encourages and sup-

ports scholarly work and seeks to attract energetic faculty with diverse interests and expertise. The university provides a secure intellectual, social, and physical environment conducive to achieving its mission. Freedom of thought, expression, and association are fostered and protected.

The continuing development of students, faculty, and staff, as well as the maintenance and development of academic and social programs of excellence, are ensured with funds from both public and private sources. Ongoing planning and assessment of services, programs, research, and instruction assure the productive use of resources and assets.

In its public service role, UNCW seeks to be a leader in initiating and coordinating programs that address the special needs of its service region. UNCW has served as a resource and catalyst for regional planning and development activities for more than two decades. The university continues to demonstrate its commitment to improving the quality of life in the region and state through strong partnerships with educational, governmental, cultural, health, and business communities. The Cameron School of Business has established both the Center for Business and Economics Services, which provides information and consultation services to local businesses, and the Small Business Institute, which provides opportunities for field studies in local firms by teams of senior-level undergraduates. The campus also houses the Small Business Technology and Development Center which is part of a state-wide effort to assist in the development of small businesses. The Watson School of Education, through its Consortium for the Advancement of Public Education (CAPE), has created excellent professional ties with all the public school agencies in the southeastern region of the state. These ties are enhanced by the Science and Mathematics Education Center, a joint venture of the College of Arts and Sciences with the Watson School of Education. Yet the expanding and changing population of southeastern North Carolina, coupled with accelerated economic growth, places new and increased demands on the university and the region. Regional issues being addressed include responsible economic development, the increase in the retired and elderly population, and the need to reform public elementary and secondary education.

The university remains committed to planned growth, quality programs, and a strong sense of community. The evolution of the university will involve strengthening and expanding

- undergraduate education,
- marine science and marine-related activities,
- research, graduate, and professional programs,
- interdisciplinary programs,
- public service,
- international exchange programs for students and faculty,
- involvement in multicultural, social, environmental, and global issues of current and emerging importance,
- instructional and research resources, and
- campus facilities to meet educational, social, and recreational needs.

Through the activities of its students, faculty, and staff, the University of North Carolina at Wilmington seeks to educate and interact with the diverse community it reflects and serves. The university shall strive, through regular communication with regional agencies and through a continual assessment of programs, to meet the needs of southeastern North Carolina. Fulfilling this mission strengthens the position of the university within the world academic community.

THE UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

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THE UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

HISTORY AND BACKGROUND

Education on the college level first came to Wilmington in 1946 when a college center was established under the direction of the North Carolina College Conference and under the administration of the Directorate of Extension of the University of North Carolina at Chapel Hill. The center offered courses on the freshman level to some 250 students during the academic year 1946-47. In 1947, a tax levy was approved by the citizens of New Hanover County, and Wilmington College was brought into existence as a county institution under the control of the New Hanover County Board of Education. In 1948 Wilmington College was officially accredited by the North Carolina College Conference and became a member of the American Association of Junior Colleges. In 1952 the institution was accredited as a junior college by the Southern Association of Colleges and Schools.

In 1958, New Hanover County voted to place the college under the Community College Act of the state of North Carolina. By virtue of this vote, the college became a part of the state system of higher education, and control passed from the New Hanover County Board of Education to a board of 12 trustees, eight of whom were appointed locally and four of whom were appointed by the governor of the state. At the same time, the requirements for admission and graduation and the general academic standards of the college came under the supervision of the North Carolina Board of Higher Education, and the college began to receive an appropriation from the state for operating expenses in addition to the local tax.

On July 1, 1963, by an act of the General Assembly of North Carolina, Wilmington College became a senior college with a four-year curriculum, authorized to offer the bachelor's degree.

By vote of the Board of Trustees of the University of North Carolina in late 1968, with subsequent approval by the North Carolina Board of Higher Education, and by an act of the General Assembly of North Carolina in 1969, Wilmington College became, on July 1, 1969, the University of North Carolina at Wilmington. It, and the institution in Asheville previously designated as Asheville-Biltmore College, became the fifth and sixth campuses of the University of North Carolina.

On October 30, 1971, the General Assembly in special session merged, without changing their names, the remaining ten state-supported senior institutions into the university. Thus, the University of North Carolina now comprises 16 institutions.

On August 22, 1977, the Board of Governors of the University of North Carolina authorized the University of North Carolina at Wilmington to offer its first graduate programs at the master's level.

In the spring of 1985, the Board of Governors of the University of North Carolina elevated the University of North Carolina at Wilmington to a Comprehensive Level I University.

The programs offered by the university include four-year programs leading to the Bachelor of Arts, Bachelor of Music, Bachelor of Science and Bachelor of Social Work degrees within the College of Arts and Sciences, the Cameron School of Business, the Watson School of Education, and the School of Nursing; graduate programs leading to the Master of Arts, the Master of Arts in Teaching, the Master of Business Administration, the Master of Education, the Master of Fine Arts in Creative Writing, the Master of School Administration, the Master of Science, and the Master of Science in Accountancy degrees; a variety of pre-professional programs, and special programs in a variety of areas, including marine science research, and continuing education.

ACADEMIC STANDING

The University of North Carolina at Wilmington is accredited by the Commission of Colleges of the Southern Association of Colleges and Schools to award degrees at the bachelor's and master's levels. The Watson School of Education is accredited by the National Council for Accreditation of Teacher Education. The School of Nursing is accredited by the National League for Nursing. The Cameron School of Business is accredited by the American Assembly of Collegiate Schools of Business. The university also holds membership in the North Carolina Association of Colleges and Universities, the American Assembly of Collegiate Schools of Business, the American Council on Education, the American Placement Council, and the Council for Advancement and Support of Education, and is on the list of schools approved by the American Chemical Society. The Parks and Recreation Management Curriculum is accredited by the National Recreation and Parks Association/American Association for Leisure and Recreation.

THE FACULTY

The university seeks to attract and maintain a faculty of outstanding individuals who are capable of contributing to the enrichment of its diverse and comprehensive instructional and research programs. Its faculty members come from all geographic sections of the United States and several foreign countries, bringing to this campus a rich variety of educational experiences, training and scholarship. Of the more than 412 instructional and research faculty, more than 67 percent hold doctoral degrees.

BOARD OF GOVERNORS' AWARDS FOR EXCELLENCE IN TEACHING

As part of its ongoing efforts to underscore the importance of teaching and to encourage, identify, recognize, reward, and support good teaching within the university, the Board of Governors in 1993 created the annual systemwide teaching awards which are designated Board of Governors' Awards for Excellence in Teaching. Sixteen awards are given annually, with one recipient selected from each of the constituent institutions. The first awards were given in the 1994-95 academic year.

Recipients

1995 Patricia A. Turrisi
1996 Melton A. McLaurin

BOARD OF TRUSTEES' TEACHING EXCELLENCE AWARD

The Board of Trustees of the University of North Carolina at Wilmington, in recognition of this institution's commitment to teaching excellence, has established the Board of Trustees' Teaching Excellence Award. Recipients of the award manifest excellence as a way of life and stand out among the faculty as persons who have made and continue to make a significant contribution to higher education through their dedication and service to students. The award

carries with it both an honor and a responsibility: it specifies a member of the faculty as a person of excellence and it calls upon the person so honored to share that excellence with colleagues and students.

Recipients

1978 B. Frank Hall
1979 Frank H. Allen
1980 Stephen C. Harper
1981 Gerald H. Shinn
1982 William F. Adcock (posthumously)
1983 Betty Jo Welch
1984 Anne B. McCrary
1985 C. Richard Ward
1986 John H. Haley
1987 Saul Bachner
1988 C. Sue Lamb
1989 W. Lee Johnston
1990 C. Sue Combs
1991 Grace M. Burton
1992 Timothy A. Ballard
1993 Faramarz "Fara" Elikai
1994 Michael D. Wentworth
1995 Kathleen S. Halme
1996 Donald E. Furst

DISTINGUISHED TEACHING PROFESSORSHIP

The Distinguished Teaching Professorship Awards exemplify UNCW's commitment to excellence in teaching and in teaching-related activities by recognizing faculty members who have made a profound contribution to higher education through their dedication and service to students. Three awards are given each year, and each recipient holds the award for three years.

1992 Grace M. Burton
W. Lee Johnston
Gerald H. Shinn
1993 John M. Garris
Diane E. Levy
William E. Overman
1994 Luther D. Lawson
Carol A. Pilgrim
Kenneth W. Spackman
1995 Stephen C. Harper
Marcee M. Raab
Melton A. McLaurin
1996 Saul Bachner
Donald E. Furst
Michael D. Wentworth

THE UNCW AWARD FOR FACULTY SCHOLARSHIP

The UNCW Award for Faculty Scholarship is designed to underscore this institution's continuing commitment to scholarship and creative work. Recipients of the award shall stand out among the faculty as persons who have made, and continue to make, a significant contribution to the university and the academic community through their commitment to scholarship, research and creativity.

Recipients

1990 Donald F. Kapraun
1991 J. Mark Galizio
1992 John Clifford
1993 Robert B. Toplin
1994 Joan D. Willey
1995 James F. Parnell
1996 Ibrahim S. Sadek

THE FOUNDATION CHAIR

The Foundation of the University of North Carolina at Wilmington is a charitable, non-profit corporation established for the sole purpose of supporting the university. Through private donations, it supports a faculty chair designated to assist the university in its long-range efforts concerning faculty development and recruitment. The Foundation Chair, which is currently allocated to the various academic disciplines on a rotating basis, enables the university to bring to

this campus renowned scholars and performing artists. In filling the chair a special effort is made to select individuals whose contributions will benefit not only the university, but also the community at large.

STATEMENT ON DIVERSITY IN THE UNIVERSITY COMMUNITY

In an effort to address the needs of the total university community, the chancellor has endorsed the following statement of principle proposed by the Human Relations Advisory Committee:

As an institution of higher learning, the University of North Carolina at Wilmington represents a rich diversity of human beings among its faculty, staff, and students and is committed to maintaining a campus environment that values that diversity.

Accordingly, the university supports policies, curricula, and co-curricular activities that encourage understanding of and appreciation for all members of its community and will not tolerate any harassment of or disrespect for persons because of age, sex, color, race, religion, creed, national origin, sexual orientation, political belief or affiliation, disability, veteran status, marital status or membership in any organization.

For more information concerning the ways that our multicultural learning community may be nurtured and protected, contact the Human Relations Committee through the offices of the Chancellor or the Dean of Students.

UNCW SEXUAL HARASSMENT POLICY

The University of North Carolina at Wilmington is committed to ensuring that all students, faculty and staff are treated with dignity and respect. Sexual harassment is highly detrimental to the environment of mutual respect that must prevail if the university is to fulfill its goals. Sexual harassment violates university policy and is illegal under state and federal law. All members of the university community have an obligation to learn what behaviors constitute sexual harassment, be responsible for their own behavior, and cooperate in creating a climate where sexual harassment is not tolerated.

Sexual harassment is defined as: "Unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature when such conduct

(i) constitutes an expressed or implied condition to another person's academic pursuits, university employment, or participation in activities sponsored by the university or organizations or groups related to the university, or
(ii) is engaged in for the purpose of interfering with such pursuits, employment, or participation, or
(iii) creates a hostile, intimidating, or offensive environment for such pursuits, employment, or participation."

Sexual advances or requests for sexual favors which are presented as a <u>condition</u> to another person's academic pursuits, university employment, or participation in university activities are always a violation of university policy — whether repeated or not. Behaviors which are not presented as a condition to another person's employment, education, or participation in university activities but which create a <u>hostile, intimidating, or offensive environment</u> generally must be repetitive and clearly unwelcome to constitute a violation of university policy.

Unwanted sexual attention can take many forms, including, <u>but not limited to:</u>

VERBAL: unwanted and repeated sexual remarks; offensive jokes about sexual or gender traits; sexual proposition; insults, threats or bribes; sexual innuendoes or comments about a person's body, clothing, or activities; offensive written notes or phone calls.

NON-VERBAL: leering, whistling, suggestive or insulting gestures.

PHYSICAL: unwanted touching of a sexual nature (e.g., brushing, patting, pinching, fondling); coerced sexual activity.

Any of these could be considered sexual harassment, and, depending on the situation, fit into the following categories:

- Gender Harassment: statements or behaviors that insult or degrade another person on the basis of his or her gender or sexual orientation; repetitive, unwelcome physical or verbal sexual advances;
- Sexual Bribery: solicitation of sexual activity by promise of reward;
- Sexual Coercion: coercion of sexual activity by threat of punishment;
- Sexual Imposition: forced, unwanted sexual activity.

In sum, sexual harassment usually takes the form of explicit conditions pertaining to an individual's work or study (whether repeated or not) or unwanted and repeated behaviors of the type described above. Compliments, a one-time thoughtless joke, or inadvertent physical contact typically do not constitute sexual harassment. Individuals unclear as to whether a specific behavior is sexual harassment are encouraged to talk with the university EEO/AA officer or the dean of students, or one of the EEO/AA contact persons listed in the university telephone directory.

Sexual harassment is considered a serious matter. The university suggests several mechanisms, both informal and formal, for persons to make complaints, which may include bringing the matter to the attention of university officials. [See Administrative Review Procedure for University Members Alleging Personal Discrimination.] However, accusations of sexual harassment have serious consequences for the accused as well as the accuser, and therefore action will be taken against anyone bringing forth frivolous or false charges.

POLICY OF THE BOARD OF GOVERNORS OF THE UNIVERSITY OF NORTH CAROLINA CONCERNING IMPROPER RELATIONSHIPS BETWEEN STUDENTS AND EMPLOYEES

The University of North Carolina does not condone amorous relationships between students and employees. Members of the university community should avoid such liaisons, which can harm affected students and damage the integrity of the academic enterprise. Further, sexual relationships between unmarried persons can result in criminal liability. In two types of situations, university prohibition and punishment of amorous relationships is deemed necessary: (1) When the employee is responsible for evaluating or supervising the affected student. (2) When the student is a minor, as defined by North Carolina law. The following policies shall apply to all employees and students of the sixteen constituent institutions.

A. Prohibited Conduct
   1. It is misconduct, subject to disciplinary action, for a university employee, incident to any instructional, research, administrative or other university employment responsibility or authority, to evaluate or supervise any enrolled student of the institution with whom he or she has an amorous relationship or to whom he or she is related by blood, law or marriage.
   2. It is misconduct, subject to disciplinary action, for a university employee to engage in sexual activity with any enrolled student of the institution, other than his or her spouse, who is a minor below the age of 18 years.

B. Definition of Terms
   1. "Amorous relationship." An amorous relationship exists when, without the benefit of marriage, two persons as consenting partners (a) have a sexual union or (b) engage in a romantic partnering or courtship that may or may not have been consummated sexually.
   2. "Related by blood, law, or marriage" means:
      a. Parent and child
      b. Brother and sister
      c. Grandparent and grandchild

d. Aunt and/or uncle and niece and/or nephew
e. First cousins
f. Step-parent and step-child
g. Husband and wife
h. Parents-in-law and children-in-law
i. Brothers-in-law and sisters-in-law
j. Guardian and ward

3. "Evaluate or supervise" means:
   a. To assess, determine or influence (1) one's academic performance, progress or potential or (2) one's entitlement to or eligibility for any institutionally conferred right, benefit or opportunity, or
   b. To oversee, manage or direct one's academic or other institutionally prescribed activities.

C. Corrective Action

Board of Governors statement:

Violation of the provisions of Section A shall be addressed in accordance with remedial measures prescribed by each constituent institution; if disciplinary action is brought against an affected employee, it shall be conducted in accordance with existing institutional policies and procedures prescribed for prosecuting misconduct charges against members of the class of employment of which the affected employee is a member.

UNCW policy:

"Improper relations" as defined in this policy focuses on potential conflicts of interests, conflicts of interests, or the appearance of conflicts of interests related to supervision or evaluation of students or other university employees in the performance of duties. If the potential for such conflicts arises, university employees involved in such relationships are required to disclose the possibility of any conflict of interest to their immediate supervisor (unless the immediate supervisor is the person involved in this conflict of interest in which case the reporting line is to the next level of administrative authority) and to take immediate action to eliminate any potential source of conflict of interest. That is, university employees must recuse themselves of any official duty which would create a conflict of interest or potential for conflict of interest. In such cases, university employees are encouraged to seek informal resolution of the matter with the help of the immediate supervisor (or appropriate administrative authority) by making alternate arrangements in which work tasks can be performed in the absence of any conflict of interest or potential conflict of interest.

If the matter cannot be resolved informally and if individuals knowingly continue in a supervisory or evaluative relationship in which such a conflict of interest exists, then those individuals shall be subject to disciplinary action up to and including dismissal from the university.

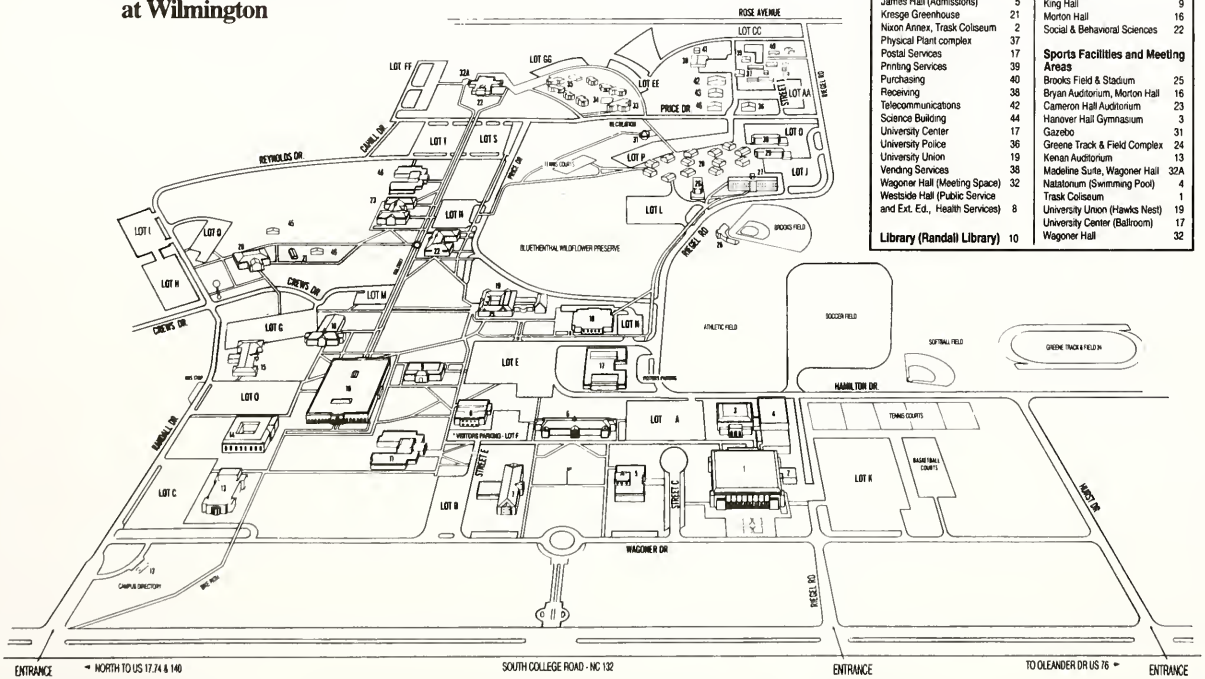
Anyone who believes that a violation of this policy has occurred is encouraged to refer the matter to the appropriate supervisory authority (unless the immediate supervisor is the person involved in this conflict of interest in which case the reporting line is to the next level of administrative authority) or to the university EEO/AA officer. In such cases, the appropriate supervisor should implement a formal review process in accordance with university administrative review procedures for personal discrimination.

The Campus

Campus Map

UNCW

University of North Carolina
at Wilmington



LEGEND

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Hoggard Hall	6
Kenan Hall	11
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Morton Hall	16
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Sports Facilities and Meeting Areas

Brooks Field & Stadium	25
Bryan Auditorium, Morton Hall	16
Cameron Hall Auditorium	23
Hanover Hall Gymnasium	3
Gazebo	31
Greene Track & Field Complex	24
Kenan Auditorium	13
Madeline Suite, Wagoner Hall	32A
Natatorium (Swimming Pool)	4
Trask Coliseum	1
University Union (Hawks Nest)	19
University Center (Ballroom)	17
Wagoner Hall	32

THE CAMPUS

The University of North Carolina at Wilmington is located in the southeastern part of the state on a 661-acre tract on State Highway 132 (College Road) midway between the Cape Fear River and the Atlantic Ocean. The city of Wilmington is situated on the east bank of the Cape Fear River about 15 miles from Carolina Beach and 10 miles from Wrightsville Beach. The standard metropolitan area, of which Wilmington is a part, now has a population in excess of 118,000. Several main highways lead into the city, and commercial air service provides easy access to other metropolitan areas north, south, and west.

Ocean breezes and the nearness of the Gulf Stream give Wilmington a delightful year-round climate, and the area's proximity to the ocean provides unlimited recreational opportunities.

The spacious well-landscaped campus was first occupied by the university in 1961. The number of buildings has increased from three in 1961 to 70 today. There are several athletic fields and ample space for parking.

BUILDINGS

The buildings on the campus are of modified Georgian architecture. All academic buildings, as well as the cafeterias and residence halls, are completely air-conditioned.

Edwin A. Alderman Hall, which houses administrative offices, is named in honor of a native Wilmingtonian who served as president of the University of North Carolina, the University of Virginia and Tulane University.

Hoggard Hall, an academic building named in honor of Dr. John T. Hoggard, second president of Wilmington College, houses the School of Nursing, the Office of Computing and Information Systems, Institutional Research, Research Administration, Center for Teaching Excellence, and faculty and staff offices.

Kenan Hall, named in honor of the late Mrs. Sarah Graham Kenan of Wilmington, is occupied by the Department of Art and Theatre and the Department of Music. It contains classrooms, faculty offices, art and music studios, the music library, computer lab, dramatic workshops and the S.R.O. Theatre. It also contains an auditorium with seating capacity of approximately 100.

Will S. DeLoach Hall houses the Department of Physics and the Department of Earth Sciences. It is equipped with classrooms, faculty and staff offices, teaching auditoriums, and laboratories.

Friday Hall, named in honor of UNC President Emeritus William C. Friday and his wife Ida, was completed in 1974. It houses the Department of Earth Sciences and part of the Department of Biological Sciences, Science and Mathematics Education Center, Summer Ventures Program in Science and Math, and contains classrooms and laboratories.

Arnold Kimsey King Hall houses the Watson School of Education and contains an auditorium with a seating capacity of 191, classrooms, faculty offices, and a curriculum laboratory.

Cameron Hall, occupied in 1988, houses the Cameron School of Business.

Isaac Bear Hall, completed in 1972, and expanded in 1989 and 1995, contains the College of Arts and Sciences, and the departments of Mathematical Sciences, and Philosophy and Religion.

Morton Hall, named for Margaret Shannon Morton, was completed in October 1978 and houses the departments of English, History, and Foreign Languages and Literature. The building contains classrooms, seminar rooms, and the Bryan Auditorium which seats 200.

The Social and Behavioral Sciences Building was completed in 1980. It houses the departments of Psychology, Political Science, and Sociology and Anthropology.

The Science Building, the largest academic building, was completed in 1996 and contains the departments of Biological Sciences and Chemistry. The building contains classrooms and laboratories.

The Sarah Graham Kenan Auditorium, a gift from the Sarah Graham Kenan Foundation, has a seating capacity of 1,000 persons. The auditorium is also equipped for use as a theatre and contains seminar rooms for the Department of Fine Arts.

Hanover Hall and Trask Coliseum, the physical education complex, provide modern facilities for the athletic activities of all students, including a large playing floor with rollaway bleachers, a second athletic activity floor, offices, locker rooms and showers, and special gymnastic equipment.

The Raiford G. Trask Health and Physical Education Building provides the campus with a 6,000-seat coliseum as well as an olympic size swimming pool and a separate diving tank. Construction was completed in the fall of 1977.

The University Union is the "living room" of the university community. It houses a wide variety of services, student and administrative offices, while providing space for campus activities and meetings, Office of International Programs, and the Hawk's Nest.

The University Center, opened in 1991, provides supplementary space to the University Union operation. In the building are housed the post office, the game room, a food facility and coffee house, the Office of Human Resources and a large multi-purpose room which can be divided into as many as three smaller spaces. Areas of the multi-purpose room will be available to the university community and the community at large for meetings and conference proceedings, etc.

Hinton James Hall, named for a New Hanover County resident who was the first student to enroll at the University of North Carolina, houses the Graduate School, Office of Enrollment Affairs, Financial Aid Office, Registrar Services, Undergraduate Admissions, and Cashier.

The Burney Student Support Center opened in the summer of 1985. Centrally located adjacent to the University Union, it houses the University Bookstore, the Parking/Student ID Office, and the Department of Communication Studies.

Wagoner Hall opened in 1989, providing space for food service for students and faculty. This facility along with two other food service facilities, contains modern food service equipment which allows for many different food and catering services. It also houses a special purpose meeting and dining facility known as Madeline Suite and the offices of Student Academic Support Programs.

Westside Hall contains Student Health Services, the Student Development Center, Learning Center, Writing Place, Division for Public Service and Extended Education, and Copy Center.

The Edmond R. Galloway Residence Hall, opened in 1971, provides housing for 400 students. The Belk Residence Hall, opened in June 1976, accommodates 200 students. The 200-student residence hall, named in honor of Addison Hewlett, Jr., opened in the fall of 1978.

Another residence hall for 220 students, Frederick B. Graham Hall, was occupied in the fall of 1979. In 1981, the 400-student apartment complex was completed and occupied. Schwartz Hall opened in the fall of 1985 for an additional 160 students. Suite housing for 400 students opened in the fall of 1989.

WILLIAM MADISON RANDALL LIBRARY

The William Madison Randall Library constitutes a vital instructional and research resource of the University of North Carolina at Wilmington. Named for the president emeritus of Wilmington College, the library provides seating for over 950 users and will accommodate a collection of 450,000 hardbound volumes in addition to various other collections.

The library now contains over 425,000 hardbound volumes and subscribes to over 5,000 serial titles. Extensive journal backfiles are maintained in bound volumes and in microformat. A large audiovisuals collection containing resources in several formats is conveniently located on the first floor, and a 73-seat auditorium is equipped for various types of audiovisual use. Rare and unique items are housed in the Helen Hagan Rare Book Room. An on-line catalogue and circulation system provides easy, efficient access to most of the library's collections. The library

catalogue is accessible on the world wide web at http://uncclc.coast.edu or by telnetting to rock.uncwil.edu.

The library is a partial depository for United States government publications, and the collection now consists of over 518,000 items in hardcopy and microtext. The library is a full depository for North Carolina documents. These materials are readily available to all of the library's users. The library also houses the Curriculum Materials Center, a specialized facility designed to support the teacher education program of the Watson School of Education. The Honors Program Office and a microcomputer lab are located on the library's second floor.

Maintaining a schedule of over 98 hours per week during the regular academic sessions, the library has established as its major goal the provision of an excellent program of services designed to facilitate and encourage maximum use of print and electronic informational resources.

COMPUTING SERVICES

Computing support for students is diversified and widespread across the university campus. Nine general-access microcomputer labs are operated on campus with modern PC and Macintosh equipment available in those facilities. There are also a number of departmentally operated computer labs ranging from microcomputers to workstations to parallel processing computing systems. These departmental labs are located in mathematical sciences, Cameron School of Business, chemistry and English; with smaller facilities in other departments.

The central VAXcluster computer system operates under OpenVMS and offers access to statistical packages, word processing, spreadsheet, language compilers and electronic mail. A Cray supercomputer, located at the North Carolina Supercomputer Center in Research Triangle Park, is accessible through the campus network for appropriate and approved instructional and research activities.

The university has fiber optic cable to all buildings on campus. This enables connection to a high-speed fiber optic campus data network which provides access to the Internet, central VAXcluster, departmental LANs, and the Randall Library on-line catalog.

Each year, greater emphasis is being placed by the faculty upon student utilization of computing facilities. Every department on campus uses computing in some aspect of its daily activities. Students are expected to assimilate computing skills as an integral part of their campus life and are offered free training seminars during the fall and spring semesters. These seminars cover most of the major software applications utilized across campus, as well as general computing skills required to utilize the larger systems.

Students may establish their own VAXcluster accounts. These accounts will remain active as long as the student is enrolled at the university. All students are expected to abide by the rules and policies governing appropriate use of computing resources and facilities as stated in the UNCW Computing Resource Use Policy.

For more information about computing at UNCW, contact the Office of Information Technology Help Desk, and visit our World Wide Web site at http://www.uncwil.edu/oit.

DIVISION FOR PUBLIC SERVICE AND EXTENDED EDUCATION

The Division for Public Service and Extended Education develops outreach programs that respond to regional needs and strengthen the national and international recognition of UNCW.

Using the North Carolina Information Highway, modern telecommunications and traditional methods, the division links the expertise of faculty, staff and other professionals to a diverse audience. The division develops and implements personal and cultural enrichment opportunities for all ages; provides community service and regional development assistance; and delivers programs to educate the work force in global affairs, new technology and managerial and professional improvement.

Public Service Programs

In cooperation with other university units and community organizations, the division hosts forums, conferences and institutes that promote public awareness of issues, community leadership, technological and economic development. Many of these activities are open to the public free of charge. Through community relations, the division seeks to foster public awareness and broaden public discussion of the critical issues facing the city, region and state and assist with the development of community leadership programs needed to address these challenges.

UNCW works with leaders in its service region to identify areas for collaboration between public service organizations and private industry. The university works with leaders of business, government and health services to further the regional benefit from the North Carolina Information Highway and seeks grant funds for economic and community development initiatives.

The Small Business Technology and Development Center (SBTDC) offers in-depth, confidential counseling to persons starting businesses and those seeking advice in various areas such as international marketing. International business development provides one-on-one counseling for small businesses in North Carolina that want to export or enter new export markets. This includes market research plans tailored to company goals, referral to private and public export resources and on-going assistance. The NC Marine Trade Program, a statewide initiative of the Small Business and Technology Development Center, offers business assistance to the marine industry. Each year it offers Marine*Expo* Trade Show and Conference to assist marine businesses with state, national and international marketing.

The division's Distance Education Services support two fiber optic classrooms with full interactive and hypermedia capability. They are located on the UNCW campus in Westside Hall and in Randall Library. UNCW is a founding member of the Cape Fear Regional Partnership Network (CFRPN), a consortium that links UNCW with regional community colleges, high schools and a regional medical center. It is also a member of the North Carolina Research and Education Network (NC-REN), a statewide interactive video network of UNC-system institutions and medical centers. UNCW's state-of-the-art facilities also include an on-ramp to the North Carolina Information Highway (NCIH). This connection enables UNCW to broadcast or receive academic and non-academic courses and seminars statewide while simultaneously allowing faculty and students access to educational research and professional development opportunities across the state and nation. The Division for Public Service and Extended Education is currently facilitating the development of flexible delivery modes for non-credit and credit instruction. Other initiatives include creation of regional economic development partnerships, investigation and exploration of emerging distance education technologies and continued regional educational outreach and mentoring.

Celebrate Wilmington!, a marketing initiative for the arts, is also based in the division. Working with university and community arts organizations, this collaborative effort is designed to increase the awareness of the fine arts, including music, theater, dance, performing art, architecture, historic preservation, regional history and the visual arts which reflect the multi-cultural nature of our community. *Celebrate Wilmington!* enriches and expands the appreciation of cultural heritage, creative expression in new and familiar forms and other cultural perspectives and horizons.

Several divisional programs bring to campus area elementary and middle school student groups to experience what life and study is like on a university campus. In UNCW Connection, for example, students experience a variety of activities to introduce them to higher education and encourage them to continue their education after high school graduation.

Continuing Education Programs

The Division for Public Service and Extended Education offers a wide variety of programs designed to provide both traditional and non-traditional students with continuing education

opportunities for lifelong learning. Many of these programs are offered through the nationally recognized Continuing Education Unit (CEU) system for non-academic credit, which provides one CEU for every 10 hours of class time. Subjects range from the study of Russian language, creative writing and oil painting to Chinese cooking. Adult enrichment programs include the national TraveLearn program, the Adult Scholars Enrichment Series for older adults and special interest lectures. The enrichment series is an example of UNCW's recognition of the wealth of expertise and experience among employed or retired mature adults. Youth programs include the University Children's Academy (special learning activities for children ages 4-12), MarineQuest (in which students or student groups and their teachers participate in study trips to various locations concentrating on marine and environmental sciences), the SAT test preparation courses and N.C. Teen Institute (an alcohol and drug prevention program for high risk teens). Because the division is receipt-supported (that is, must raise its own money to support its activities), a fee is charged for most offerings.

Professional Development and Leadership Programs

Continuing education programs also include professional development seminars in advertising design, understanding personal computers, small business development, certified public accounting and other areas. Some offerings focus on topics of the day such as the Internet, Japanese culture and language, business writing, etc. The division also designs specific professional training programs for local schools, businesses and industries in collaboration with other academic departments. University faculty and other qualified individuals provide instruction in topics such as accounting, communications, management, planning, real estate appraisal, small business administration, management and employee assistant program training. Courses for school teachers and administrators are designed to provide ongoing professional improvement or to meet certification and renewal inquiries.

The division welcomes inquiries from individuals or organizations interested in implementing a training program for their employees. The division, in collaboration with other academic departments, provides management of professional training by contracting with the business, industrial, government and educational sectors.

Through its community development program, the division and university serves as a catalyst for broad community discussions about the future of Wilmington. Still in its infancy, community development assists in defining specific content and focus of public programs and identifies speakers, coordinates program activities and secures resources to conduct the program.

The Adult Leadership Program furnishes opportunities for potential leaders to learn more about issues, problems, and creative solutions in our service region. Graduates usually become involved in community activities that blend their experiences and new interests by volunteering in various units at UNCW or in community agencies.

Collaborating with the Watson School of Education, some in-service courses are designed for school teachers with renewal credit issued by the North Carolina Department of Public Instruction.

Extension

The division also collaborates with other academic schools to offer external degree programs, extension courses and professional development seminars. Two examples include the M.B.A. degree program, offered through the Cameron School of Business to employees onsite at CP&L Nuclear Plant in Southport, NC, and the Onslow County Extension Program offered in Jacksonville, NC, which awards a four-year degree in elementary education, education of young children, business and nursing through the RN-Access program. Students must have earned a two-year associate degree or equivalent transferable hours to enroll. Classes are conveniently offered in the Jacksonville area on the campus of Coastal Carolina Community College.

Conference Arrangements

Conference hosting coordination is available for external groups whose mission coincides with that of the University of North Carolina system. The division places special emphasis on recruiting non-profit groups with a training or educational purpose. Such conferences may range in size from 20 to 800 people, may be credit or non-credit in nature, and may last for one day or for several weeks. The Division for Public Service and Extended Education provides professional training by contracting with the business, industrial, government and education sectors. Examples include the North Carolina School for Alcohol and Drug Studies that brings more than 750 substance abuse professionals and educators to campus and the North Carolina Teacher Academy, one of 10 in the state, that hosts teachers and educational professionals in three one-week, intensive training sessions focusing on educational leadership topics and classroom strategies. More than 300 teachers participated last year.

The Division also provides services for conferences offered by university offices, departments or divisions. These services for internal and external groups include marketing, registration, housing accommodations and food service.

Information

Further information concerning the Division for Public Service and Extended Education or any of its activities may be obtained by contacting (910) 962-3193.

HERBERT BLUETHENTHAL MEMORIAL WILDFLOWER PRESERVE

The Herbert Bluethenthal Memorial Wildflower Preserve is a 10 acre memorial botanical garden located on the UNCW campus. Established in 1972, its purpose is to provide a place where the university community and the public can learn about and enjoy our native plants and their habitats. Many of the plants are labeled and maps and trail guides are available at the entrance.

EV-HENWOOD NATURE PRESERVE

Ev-Henwood is UNCW's coastal forest research and teaching station located in Brunswick County. It is only a short 30 minute drive from the university campus and is available for nature study and appreciation, student and faculty research, and class field trips. Included in its 110 acres are oak/hickory woods, pine forests, and low woods along the bordering Town Creek and its branches. Additional habitats such as ponds and fields are available nearby.

Admissions

ADMISSIONS

The University of North Carolina at Wilmington seeks to admit students with the intellectual ability to perform successfully in the collegiate community. Students must have the motivation and the determination to avail themselves of the learning experiences that will be beneficial to them if they are to attain both academic and personal enrichment. As a state-supported institution, the university is aware of its obligation to provide an educational opportunity to all qualified applicants who will benefit from the program of study offered on the Wilmington campus.

Applicants may apply to enter the university at the beginning of the fall or spring semester and at the beginning of each summer term. The academic qualifications of each applicant are carefully reviewed by admissions personnel in a conscientious effort to admit students who have the potential for further academic achievement and growth. The university encourages and awards College Level Examination Program (CLEP) and Advanced Placement (AP) credit. Students should consult their high school counselor for further information. The university does honor the College Board Application Fee Waiver form if properly signed.

Overenrollment or state budgetary constraints may require the restriction of admissions during a given year. This may require the adjustment of minimum requirements or the establishment of earlier application deadlines. Out-of-state freshman applicants are encouraged to apply prior to December 1 for fall admission. THE UNIVERSITY RESERVES THE RIGHT TO ADJUST APPLICATION DEADLINES ACCORDING TO ENROLLMENT NEEDS.

An immunization record for each admitted UNCW student is required by law to be on file at UNCW prior to registration. The university reserves the right to cancel admission offers to students whose tuition deposits or immunization records are not received at UNCW by the tuition deposit deadline date.

Students who do not enroll in the term for which they were admitted will have the offer of admission canceled. A written request for consideration for a different term must be sent to the Office of Admissions by the application deadline date for that term.

Any exception to university admissions requirements must be approved by the Office of the Vice Chancellor for Academic Affairs.

Any student who supplies false or misleading information or who conceals pertinent facts in order to enroll in the University of North Carolina at Wilmington will be subject to immediate dismissal from the university.

APPLICATION DATES

A. For Freshmen for Summer and Fall, 1998 and 1999

1. Applications are processed on a rolling basis until enrollment goals are met. Early applications are encouraged.
2. A non-refundable $100.00 tuition deposit is required on or before May 15 from all admittees intending to enroll at UNCW in the fall 1998 and 1999.

B. For Transfer Applicants for Summer and Fall, 1998 and 1999

1. Apply by March 15; decision mailed by April 15.
2. Tuition deposit required on or before May 15.

C. For Former Re-Enrolling Students for Fall, 1998 and 1999

1. Apply by May 1; decision by June 30; rolling basis.
2. No tuition deposit required.

D. For All Spring (January) Semester Applicants, 1998 and 1999

1. Apply by November 1; applications will be processed on a rolling basis.
2. Tuition deposit due November 30.
3. *There are limited openings for spring semester admission.*
4. Re-enrolling students who were in academic difficulty when they left may apply to re-enter for the summer or fall term only.

E. For Permission (Visitor) Students for Summer I and Summer II, Fall and Spring, 1998 and 1999

Summer Session I Apply prior to May 1; decisions on rolling basis
Summer Session II Apply prior to June 1; decisions on rolling basis
Fall and spring deadlines are the same as stated in items A and D above.
No tuition deposit required from permission/visitor students.

ADMISSIONS-FRESHMEN

The minimum freshman requirements for consideration for admission to the University of North Carolina at Wilmington are listed below. Meeting minimum admission requirements does not guarantee admission to the university.

(1) Graduation from an approved or accredited high school, or a GED certificate.*
(2) A satisfactory score on the Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT).
(3) An overall "C" average on all work attempted in grades 9-12.
(4) *Four (4) course units in English,* emphasizing grammar, composition, and literature;
Three (3) course units in mathematics, including:
-algebra I
-algebra II, and
-geometry, or a higher-level mathematics course for which algebra II is a prerequisite
Two (2) course units in social studies, including:
one unit in U.S. History **
Three (3) course units in science, including:
one (1) unit in a life or biological science (for example, biology)
one (1) unit in a physical science (for example, physical science, chemistry, physics)
one (1) laboratory course.
*Two (2) course units in one foreign language****

*GED candidates must have been out of school two full years since their class graduated. Any GED candidate whose high school class graduated in 1990 or later is not eligible for freshman admissions.

**Students who do not have one unit in U.S. history may be admitted with a history deficiency to be made up by the end of the sophomore year at UNCW.

***Students who meet all minimum requirements except foreign language will be accepted with a deficiency and will be required to complete a foreign language sequence of 101 and/or 102, or 120 before they may graduate with the baccalaureate degree from UNCW.

Application Procedure for Freshmen

Applicants are required to comply with the following:

1. Submit a completed application form by the deadline date. A $35.00 NON-REFUNDABLE application fee must accompany the application.

2. Have the secondary school officials submit an official transcript of secondary school work or GED. The transcript must be sent directly to the Office of Admissions, The University of North Carolina at Wilmington, 601 S. College Road, Wilmington, North Carolina 28403-3297.

3. Take the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the ACT of the American College Testing Program. Because of deadlines for filing application to take the tests, arrangements must be made well in advance of the testing date so that the application is received by the testing company in time. Applicants are accepted to UNCW on the basis of their junior or senior SAT or ACT scores. For information about the SAT, contact the secondary school guidance counselor or write or call College Board ATP, P. O. Box 592, Princeton, New Jersey 08540, (609) 771-7600. Students who live in the Western, Southwestern or Pacific Coast states should write or call College Board ATP, P. O. Box 1025, Berkeley, California 94701, (415) 849-0950. For information about the American College Testing Program, write The College Testing Program, Program Services Department, P. O. Box 168, Iowa City, Iowa 52243.

It is important that the high school transcript, or GED, and test scores reach the university by the application deadline date so that all matters relating to the application may be complete before the opening of the semester in which the student expects to enroll.

4. Out-of-state freshman applicants are encouraged to apply by December 1.

ADMISSIONS-TRANSFER STUDENTS

Students wishing to transfer to the University of North Carolina at Wilmington from another institution must meet the following requirements for admission: (1) must be eligible to return to the institution last attended; (2) must have attained at least a "C" average (2.00 on 4.00 system) based on all transfer courses attempted and on all transferable courses at all institutions attended and (3) must have completed a minimum of 24 semester hours (36 quarter hours) of transferable credit. Students seeking admission by transfer of credits are required to have all transcripts of previous college or university work forwarded to the Office of Admissions by the registrar of each institution they have attended. Even though no transfer of credit may be involved, all previous college or university work must be certified by transcripts or records of attendance. An official high school transcript or GED must also be submitted. Transfer courses will not be accepted from non-accredited schools, or from business, trade, vocational or technical schools, except by previous contractual agreement with UNCW. Prior to admission, the transfer applicant must have successfully completed one year of freshman-level English and one unit of college-level mathematics. One unit of life science is recommended before transfer.

Any student whose high school class graduated in 1990 or later must have completed the following high school requirements:

- **Four (4) units of English**
- **Three (3) units of mathematics (including algebra I, geometry and algebra II or a higher-level math for which algebra II is a prerequisite)**
- **Two (2) units of social studies (including one unit of U.S. history)**
- **Three (3) units of science (including a unit of life or biological science, a unit of physical science, and at least one laboratory course)**

If you did not complete the above requirements in high school, or received a GED in 1990 or later, you may apply to transfer after you complete a minimum of 24 semester hours with an overall "C" average (2.00 on a 4.00 scale). You must have completed the following:

- **Six (6) semester hours of freshman composition**
- **Six (6) semester hours of college-level mathematics**
- **Six (6) semester hours of science**
- **Six (6) semester hours of social science**

Application Procedure for Transfer Students

Students wishing to transfer are required to comply with the following procedures:

1. Submit a completed application form by the application deadline date. A $35.00 NON-REFUNDABLE application fee must accompany the application.

2. Submit a completed university questionnaire. This questionnaire is included in the transfer admissions packet.
3. Have an official transcript from each college or university attended, including summer school, submitted. It is the applicant's responsibility to request that the registrar of each institution attended send an official transcript directly to the Office of Admissions by the application deadline date.
4. Have an official high school transcript or GED, including test scores, sent to the Office of Admissions by the application deadline date.

Official credit evaluation of transcripts will be done after admission when tuition deposit or confirmation card is received from student.

ADMISSIONS TO THE PROFESSIONAL SCHOOLS AND SELECT PROGRAMS

(Degree Programs in the Cameron School of Business, Watson School of Education, the School of Nursing, and Bachelor's Degree Programs in Biology, Music, Psychology and Social Work)

Admission to degree programs in the Cameron School of Business, Watson School of Education, the School of Nursing, and bachelor's degree programs in biology, music, psychology and social work must be attained prior to students pursuing majors in those areas. Applications may be obtained from the appropriate school or department.

ADMISSIONS-FORMER STUDENT (Re-enrolling)

Former UNCW students who have been away from the university for at least two consecutive semesters and wish to return to the university must apply to the Office of Admissions for readmission prior to May 1 for the fall semester or December 1 for the spring semester. A $35.00 NON-REFUNDABLE application fee must accompany the application.

Those who have attended another college or university since their last enrollment at UNCW are required to submit official transcripts from such institutions before they can be considered for readmission. **A "C" average (2.00 out of 4.00 system) must have been attained on all work attempted at other institutions since leaving UNCW.** Any student who leaves the university and does not register for at least two full semesters must apply for readmission by the application deadline date. A $35.00 NON-REFUNDABLE application fee must accompany the application. Any student who leaves the university and does not register for only one semester need not apply for re-admission. If academically ineligible or placed on warning when last enrolled, and did not register for only one semester, an application for re-admission will be required.

Re-enrolling students who have been academically ineligible two or more times may be eligible to return only during summer session(s). They must reapply for admission consideration. Re-enrolling students who have been on academic warning or declared ineligible one time are eligible to enroll for summer and fall semester only after the dismissal period has expired and if space is available.

The Three-year Rule

Any UNCW degree student who has been out of school for at least three years and has not attended any other institution since leaving UNCW may be eligible to re-enter under the three-year rule. The three-year rule is available only for students who have less than a 2.00 grade point average.

Any former student of an accredited college or university who has not attended school for at least three years may also be eligible to enter UNCW under the three-year rule.

The student who elects to have the three-year rule applied will have neither a quality point deficit to overcome, nor hours of credit for those courses in which "D" grades were attained.

Only courses in which a grade of "C" or better was earned will be counted toward graduation. Nevertheless, this option will not alter the student's original academic record.

The quality point average will begin at the time studies are resumed, and the student will be required to earn a "C" average on a semester basis to be eligible to continue. Each summer session counts as a semester. Degree requirements will be those in effect at the time the student re-enrolls.

The three-year rule option must be exercised at the time the student applies for admission to the university. Once exercised, it may not later be reversed. The three-year rule option may be exercised one time only.

ADMISSIONS-SPECIAL UNDERGRADUATE STUDENTS

Any individual who already possesses a degree from a four-year accredited college and wishes to enroll for an undergraduate course at UNCW, or any individual with a degree who wishes to work toward a second baccalaureate degree, must apply to the Office of Admissions before the application deadline date. An official transcript from the degree-granting institution must be sent from that institution to the Office of Admissions by the deadline date. Second degree candidates must have transcripts from all colleges attended submitted by the application deadline date.

ADMISSIONS-PERMISSION/VISITING STUDENTS

During the summer sessions, students from other accredited colleges or universities may be admitted as visitors by using the "Summer Visitor" application. The university assumes no responsibility in determining a student's course selection when such credits are to be transferred elsewhere. Summer visitor applications and schedules are available by February of each year from the Office of Academic Affairs or the Admissions Office. Enrollment by permission from another institution in no way obligates the university to continue one's enrollment at UNCW after the expiration of the permission period. A student may not continue to attend as a permission/visitor student beyond two consecutive sessions. To apply for fall or spring semester visitor status, transfer requirements must be met. Application deadline dates apply for permission/visiting students. Transcripts of work completed at UNCW must be requested through the Registrar's Office to assure a record of academic work is sent to the home institution of permission and summer visiting students.

ADMISSIONS-SPECIAL HIGH SCHOOL STUDENTS

Selected high school seniors who wish to pursue an academic program on the collegiate level while attending high school may enroll at UNCW if they meet the qualifications for participation in this program. Because of distance, this program is available primarily to students in the Wilmington area. Special applications for admission are available in the office of the high school counselor. Students may enter this program at the beginning of the fall, spring or summer terms. Application deadline dates must be honored.

ADMISSIONS-INTERNATIONAL STUDENTS

The University of North Carolina at Wilmington welcomes interest and inquiry from international students. In addition to meeting regular freshman or transfer academic admission requirements, international students must present evidence of their ability to speak, read, and write the English language and to meet fully the financial obligations associated with their study at the university. Students from foreign countries must present the results of the TOEFL examination (Test of English as a Foreign Language) as a part of their application for admission, if English is not their native language. A financial responsibility statement and proof of accident and hospital insurance must be submitted. All materials for admission consideration must be in the Office of Admissions at least eight (8) months prior to the date of registration for the enter-

ing semester or term. International visiting and exchange students will be advised by the Office of International Programs. It is recommended that international students plan to begin their studies in a fall semester.

ADMISSIONS-SENIOR CITIZENS

Residents of North Carolina age 65 or older who meet applicable admission requirements may enroll tuition free on a space-available basis. Application fees are not waived. Students who wish to enroll under the provisions of this law should document their senior citizen status at the time of registration. The availability of class space cannot be determined until the late registration period each term.

ADMISSIONS-AUDIT STUDENTS

Students who wish to take courses without receiving credit should apply to the Office of the Registrar immediately after the semester registration date. Audit students are admitted on a "space-available" basis.

ADMISSIONS-GRADUATE STUDENTS

All inquiries concerning admission to graduate programs should be directed to the Graduate School. Admissions requirements are stated in the Graduate Catalogue.

FAST TRACK PROGRAM

See the section on "ENRICHMENT COURSES AND PROGRAMS" in this catalogue.

NONDISCRIMINATION POLICY

UNCW is dedicated to equality of opportunity within its community. Accordingly, UNCW neither practices nor condones discrimination in any form against students, employees, or applicants on the grounds of race, color, national origin, religion, gender, age, disability or veteran status. UNCW commits itself to positive action to secure equal opportunity regardless of those characteristics. For additional information, contact the Federal Compliance Officer.

SAFETY AND HEALTH PROGRAM

UNCW's safety program complies with the State Occupational Safety and Health Act of 1973.

Expenses

EXPENSES

The Board of Governors of the university reserves the right to change the charges for tuition, fees and the room and board rate at any time without prior notice.

TUITION AND FEES (In effect at time of publication)

All charges for tuition and regular fees are due and payable on or before the day of registration. Checks and money orders should be made payable to the University of North Carolina at Wilmington.

Full-Time Charges Per Semester (12 or more semester hours):

	In-State Students	Out-of-State Students*
Tuition	$437	$4,014
Mandatory Fees	437	437
Total	$874	$4,451

The following student activities fees are included in the full-time tuition and fee amount per semester:

Student Services	$ 7.00	$ 7.00
Technology	30.00	30.00
Student Support	7.50	7.50
Athletic Fee	131.50	131.50
Health Services	60.00	60.00
SGA	22.50	22.50
Media	3.00	3.00
University Union	57.00	57.00
Campus Recreation	24.00	24.00
Postal	5.00	5.00
Physical Activities	33.50	33.50
Cultural Events	7.50	7.50
University Union Facilities-Debt	38.50	38.50
Physical Education Facilities-Debt	10.00	10.00
Total	$437.00	$437.00

Undergraduate students registering for 12 or more semester hours will be charged at the full-time rate as shown above. Students scheduling fewer than 12 semester hours will pay tuition and fees as follows:

Semester Hours Scheduled	In-State Students	Out-of-State Students*
1-5	$181	$1,076
6-8	443	2,231
9-11	765	3,448

*See information on residency at the end of this section

Other fees:

Application Fee (to accompany application, nonrefundable) ..... $ 35.00
Freshman Orientation Fee 60.00
Parking Fee (Per Year) 90.00
*Remedial Course Fee ..... In-State 55.00
Out-of-State 432.00

*This course is offered on campus through Cape Fear Community College (CFCC). Consequently, all students taking this course are required to pay tuition, fees, and charges as established by CFCC in addition to charges established by UNCW. UNCW collects these additional charges from the student and remits the amounts collected to CFCC.

No degree, diploma, transcript of credit, or grades will be furnished a student until all financial obligations to the university, other than student loans, have been paid. All previously incurred expenses and accounts at the university must be paid in full prior to preregistration or registration for a new term.

Orientation

All new UNCW freshmen, transfers, unclassified, and extension students must pay a one-time orientation fee. For the students who attend summer orientation, the fee must be paid in advance to reserve a place in the program.

TUITION SURCHARGE

Effective fall 1994, all new undergraduates seeking a baccalaureate degree at the University of North Carolina at Wilmington will be subject to a 25% tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110% of the required credit hours to complete an officially designated five-year program.

Note: The State Scholarship Program for Children of War Veterans administered by the North Carolina Division of Veterans Affairs will not cover the 25% tuition surcharge. Responsibility for the surcharge would be placed on the student.

Counted Credit Hours

The undergraduate credit hours to be counted for this requirement include: (1) all regular session degree-creditable courses taken at UNCW, including repeated courses, failed courses, withdrawals, and those dropped after the last date to add a course; and (2) all transfer credit hours accepted by UNCW. However, this calculation excludes the following credit hours: (1) those earned through the College Board's Advanced Placement (AP) and College Level Examination Program (CLEP) or similar programs; (2) those earned through institutional advanced placement, course validation, or any similar procedure for awarding course credit; and (3) those earned through the summer session or degree-credit extension division at UNCW or at another UNC institution.

Students Subject to the Surcharge

The surcharge shall be imposed on all counted credit hours in excess of the threshold defined below for each of the following three categories of undergraduates:

1. For students earning a first baccalaureate degree in a program that requires no more than 128 credit hours, the surcharge shall be applied to all counted credit hours in excess of 140.
2. For students earning a first baccalaureate degree in a Board-approved program that requires more than 128 counted credit hours, the surcharge shall be applied to all credit hours that exceed 110% of the credit hours required for the degree. Such programs include those that have been officially designated by the Board of Governors as five-year programs, as well as those involving double majors or combined bachelor's/master's degrees.
3. For students earning a baccalaureate degree other than the first, the surcharge shall be applied to all counted credit hours that exceed 110% of the minimum additional credit hours needed to earn the additional baccalaureate degree.

Students Exempt from the Surcharge

The surcharge shall not be imposed on undergraduates who:

1. Complete a first baccalaureate degree program that has not been officially designated by the Board of Governors as a five-year program and whose counted credit hours were earned in eight or fewer regular term semesters or the equivalent; or
2. Complete a first baccalaureate degree program that has been officially designated by the Board of Governors as a five-year program and take their counted credit hours in 10 or fewer regular term semesters or the equivalent.

Calculation of the Surcharge

The surcharge shall be imposed on tuition charged in the current semester and in subsequent semesters where a student's cumulative credit hour total—including that semester's courseload—exceeds the threshold. The surcharge does not apply to required fees.

ON-CAMPUS LIVING

The university has residence facilities for over 1,900 students in five modern, conveniently located residence halls, 13 apartment buildings, and seven suite-style buildings.

All rooms are air-conditioned and furnished, and laundry facilities are available. Residence hall, apartment and suite students are required to participate in the university dining hall program under one of the three meal plans. The university operates a modern, air-conditioned cafeteria building. Short-order food service is available in the Hawk's Nest located in the University Union, and the convenience store located in apartment building M. Service is on a cash basis for non-boarding students. The Housing and Food Service operations are closed during Thanksgiving, Christmas, and spring breaks.

Meal Plan Options

A meal plan is required for all students living on campus. The options available are listed below. The student identification card also serves as the student meal card and must be presented at every meal. Student meal cards are not transferable to another student or guests.

1997-98 SEMESTER BOARD RATES

Plan A: 9 meals and $100.00 declining balance = $840.00
Any 9 meals during the seven day week at Wagoner Dining Hall plus a $100 declining balance (for the semester) that can be used at the Hawk's Nest, convenience store, ITZA PIZZA, or for guests at Wagoner Dining Hall. Additional cash may be added to the card at the student's discretion.

Plan B: 14 meals per week and $115.00 declining balance = $910.00
Any 14 meals during the seven-day week at Wagoner Dining Hall plus a $100 declining balance (for the semester) that can be used at the Hawk's Nest, Seahawk station, ITZA Pizza of for guests at Wagoner Dining Hall. Additional cash may be added to the card at the student's discretion.

Plan C: 19 meals per week = $910.00
19 meals per week, three meals a day Monday through Friday, brunch and dinner on Saturday and Sunday. A $2.50 transferability will allow students to use the meal card at the Hawk's Nest for lunch Monday through Friday. Students may opt to add cash ($25 minimum) that can be used at the Hawk's Nest, convenience store, ITZA PIZZA or for guests at Wagoner Dining Hall.

ROOM AND BOARD RATES

Room and board rates are set annually by the university's Board of Trustees during their spring meeting. The most recent set of approved rates are available from the Office of Housing and Resident Life.

Annual contracts are for the full academic year consisting of both the fall and spring semesters. Room rates include utilities, local telephone service, basic cable television service, security and housekeeping (with the exception of the apartments).

The university reserves the right to change on-campus housing rates at anytime without prior notice. A non-refundable application fee must be remitted with each completed application. New and transfer students are guaranteed on-campus housing beginning the fall semester if their completed application for housing and paid tuition deposit is post marked no later than March 31.

1997-98 SEMESTER ROOM AND BOARD RATES

Double Room (Belk, Galloway, Graham, Hewlett, and Schwartz)	
with 9-meal plan	$2,060
with 14-meal plan	$2,130
with 19-meal plan	$2,130
Apartment	
with 9-meal plan	$2,330
with 14-meal plan	$2,400
with 19-meal plan	$2,400
Doubles Suites	
with 9-meal plan	$2,210
with 14-meal plan	$2,280
with 19-meal plan	$2,280
Single Suites	
with 9-meal plan	$2,330
with 14-meal plan	$2,400
with 19-meal plan	$2,400

If you are interested in obtaining information regarding campus housing, please contact:

Housing and Residence Life Office
The University of North Carolina at Wilmington
601 South College Road
Wilmington, North Carolina 28403-3297
Telephone: (910) 962-3241 Fax: (910) 962-7032
Email: housing@uncwil.edu

SUMMER SCHOOL

Summer school tuition, fees, refund policy, and room and board rates will be announced in the Summer Session Bulletin.

UNCW REFUND POLICY

The university's refund policy complies with the requirements of the university's accrediting agency and the U.S. Department of Education.

Students must follow the official withdrawal process to receive a refund under the university's policy. To officially withdraw from the university, students must complete an Official Withdrawal Form in the Registrar's Office. Any outstanding financial obligations to the university will be deducted from the amount refunded.

REFUNDS-TUITION AND FEES, ROOM AND BOARD

A student who officially withdraws from the university on or before the last day of registration (drop/add) period will receive a refund of the amount paid. Refunds are based on the date contained on the Official Withdrawal Form.

Students withdrawing after the drop/add period will receive refunds as follows:

Date of Withdrawal	Refund Percentage
After drop/add but prior to first 10% of the enrollment period	90%
Between the first 10% and the end of the first 25% of an enrollment period	50%
Between the first 25% and the end of the first 50% of the enrollment period	25%

No refunds will be made for withdrawals after the end of the first 50% of the enrollment period.

Declining balance portions of board plans will be refunded separately.

This refund policy applies to complete withdrawals from UNCW. Students who simply reduce their course load after the drop/add period, receive NO refund or reduction of fees whatsoever.

Summer School

Because of the short duration of summer school sessions, summer school charges are not refundable after the drop/add period. However, financial aid recipients will receive a refund in accordance with the schedule noted above.

RESIDENCE STATUS FOR TUITION PURPOSES

The basis for determining the appropriate tuition charge rests upon whether a student is a resident or a nonresident for tuition purposes. Each student must make a statement as to the length of his or her residence in North Carolina, with assessment by the institution of that statement to be conditioned by the following:

Residence. To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least twelve months immediately prior to classification. Thus, there is a distinction between legal residence and residence for tuition purposes. Furthermore, twelve months legal residence means more than simple abode in North Carolina. In particular it means maintaining a domicile (permanent home of indefinite duration) as opposed to "maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education." The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant for such classification, who must show his or her entitlement by the preponderance (the greater part) of the residentiary information.

Initiative. Being classified a resident for tuition purposes is contingent on the student's seeking such status and providing all information that the institution may require in making the determination.

Parents' Domicile. If an individual, irrespective of age, has living parent(s) or court-appointed guardian of the person, the domicile of such parent(s) or guardian is, prima facie, the domicile of the individual; but this prima facie evidence of the individual's domicile may or may not be sustained by other information. Further, nondomiciliary status of parents is not deemed prima facie evidence of the applicant child's status if the applicant has lived (though not necessarily legally resided) in North Carolina for the five years preceding enrollment or re-registration.

Effect of Marriage. Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstances insure that

a person will become or continue to be a resident for tuition purposes. Marriage and the legal residence of one's spouse are, however, relevant information in determining residentiary intent.

Furthermore, if both a husband and his wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the twelve-month requirement for in-state tuition status.

Military Personnel. A North Carolinian who serves outside the state in the armed forces does not lose North Carolina domicile simply by reason of such service. Students from the military may prove retention or establishment of residence by reference, as in other cases, to residentiary acts accompanied by residentiary intent.

In addition, a separate North Carolina statute affords tuition rate benefits to certain military personnel and their dependents even though not qualifying for the in-state tuition rate by reason of twelve months legal residence in North Carolina. Members of the armed services, while stationed in and concurrently living in North Carolina, may be charged a tuition rate lower than the out-of-state tuition rate to the extent that the total of entitlements for application tuition costs available from the federal government, plus certain amounts based under a statutory formula upon the in-state tuition rate, is a sum less than the out-of-state tuition rate for the pertinent enrollment. A dependent relative of a service member stationed in North Carolina is eligible to be charged the in-state tuition rate while the dependent relative is living in North Carolina with the service member and if the dependent relative has met any requirement of the Selective Service System applicable to the dependent relative. These tuition benefits may be enjoyed only if the applicable requirements for admission have been met; these benefits alone do not provide the basis for receiving those derivative benefits under the provisions of the residence classification statute reviewed elsewhere in this summary.

Grace Period. If a person (1) has been a bona fide legal resident of the required duration, (2) has consequently been classified a resident for tuition purposes, and (3) has subsequently lost North Carolina legal residence while enrolled at a public institution of higher education, that person may continue to enjoy the in-state tuition rate for a grace period of twelve months measured from the date on which North Carolina legal residence was lost. If the twelve months ends during an academic term for which the person is enrolled at a state institution of higher education, the grace period extends, in addition, to the end of that term. The fact of marriage to one who continues domicile outside North Carolina does not by itself cause loss of legal residence, marking the beginning of the grace period.

Minors. Minors (persons under 18 years of age) usually have the domicile of their parents, but certain special cases are recognized by the residence classification statute in determining residence for tuition purposes.

(a) If a minor's parents live apart, the minor's domicile is deemed to be North Carolina for the time period(s) that either parent, as a North Carolina legal resident, may claim and does claim the minor as a tax dependent, even if other law or judicial act assigns the minor's domicile outside North Carolina. A minor thus deemed to be a legal resident will not, upon achieving majority before enrolling at an institution of higher education, lose North Carolina legal residence if that person (1) upon becoming an adult "acts, to the extent that the person's degree of actual emancipation permits, in a manner consistent with bona fide legal residence in North Carolina" and (2) "begins enrollment at an institution of higher education not later than the fall academic term following completion of education prerequisite to admission at such institution."

(b) If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If under this consideration a minor is deemed to be a resident for tuition purposes immediately prior to his or her eighteenth birthday, that person on achieving majority will be deemed a legal resident of North Carolina of at least twelve-months duration. This provision acts to confer in-state

tuition status even in the face of other provisions of law to the contrary; however, a person deemed a resident of twelve-months duration pursuant to this provision continues to be a legal resident of the state only so long as he or she does not abandon North Carolina domicile.

Lost but Regained Domicile. If a student ceases enrollment at or graduates from an institution of higher education while classified a resident for tuition purposes and then both abandons and reacquires North Carolina domicile within a twelve-month period, that person, if he or she continues to maintain the required domicile into re-enrollment at an institution of higher education, may re-enroll at the in-state tuition rate without having to meet the usual twelve-month durational requirement. However, any one person may receive the benefit of this provision only once.

Change of Status. A student admitted to initial enrollment in an institution (or permitted to re-enroll following an absence from the institutional program which involved a formal withdrawal from enrollment) must be classified by the admitting institution either as a resident or as a nonresident for tuition purposes prior to actual enrollment. A residence status classification once assigned (and finalized pursuant to any appeal properly taken) may be changed thereafter (with corresponding change in billing rates) only at intervals corresponding with the established primary divisions of the academic year.

Transfer Students. When a student transfers from one North Carolina public institution of higher education to another, he or she is treated as a new student by the institution to which he or she is transferring and must be assigned an initial residence status classification for tuition purposes.

Appeal. The initial classification of undergraduate students as in-state or out-of-state residents for tuition purposes is made by the Admissions Office. Appeals for in-state status may be made to the campus appeals body, Out-of-State Tuition Appeals Committee. University regulations governing residential classification of students are set forth in detail in *A Manual to Assist the Public Higher Education Institutions of North Carolina in the Matter of Student Residence Classification for "Tuition Purposes."* Each enrolled student is responsible for knowing the contents of this manual. Copies of the manual are available for inspection upon request in the Admissions Office and in Randall Library.

Financial Aid

FINANCIAL AID

The UNCW Financial Aid Office administers programs of financial assistance designed to help meet the needs of eligible students who have been fully accepted as degree seeking*. Eligibility is determined using the U.S. Department of Education Federal methodology. Awards are made to help bridge the gap between the student's and family's expected contributions, and the cost of attendance. This assistance may be in the form of scholarships, grants, loans, Federal Work Study jobs or a combination of these programs.

To apply for financial aid, a student must complete a *Free Application for Federal Student Aid (FAFSA).* Some students must submit other documentation as requested by the Financial Aid Office. Continuing students must be making satisfactory academic progress as determined by the Financial Aid Office to receive aid. Questions concerning financial aid at UNCW should be directed to the Financial Aid Office. The office is located on the first floor of James Hall.

Office: (910) 962-3177 FAX: (910) 962-3851 Sea Line (910) 962-4246

*Students accepted as "Unclassified" are only eligible for alternative loans. Students pursuing additional undergraduate studies beyond their first bachelor's degree should contact the Financial Aid Office for information regarding eligibility requirements.

MINORITY PRESENCE GRANT PROGRAM — GENERAL PROGRAM

The university will continue to fund the Minority Presence Grant Program — General Program, Part I and Part II. The university will allocate this money to historically white and historically black institutions to aid them in recruiting financially needy North Carolina students who would be minority presence students at the respective institutions by enabling the institutions to offer relatively more aid for minority presence students in the form of grants rather than loans. General Program Part I includes funds for minority presence grants for students attending the North Carolina Central University School of Law. General Program Part II consists of grant funds for Native Americans, Hispanics, and Asians.

Under the Board of Governors general Minority Presence Grant Program, minority students may be eligible for special financial assistance at UNCW if they are residents of North Carolina, are enrolled for at least three hours of degree credit coursework, and demonstrate financial need.

INCENTIVE SCHOLARSHIP AND GRANT PROGRAM FOR NATIVE AMERICANS

The General Assembly of North Carolina has established the Incentive Scholarship and Grant Program for Native Americans (ISGPNA) in order to increase enrollment at the constituent institutions of the University of North Carolina. Eligibility is limited to degree students who maintain cultural identification as an American Indian through membership in an Indian tribe recognized by the state of North Carolina or by the federal government or through other tribal affiliation or community recognition. Contact the Financial Aid Office for an application.

GRANTS

The Federal Pell Grant Program provides grants for students who show exceptional need for assistance in attending college. This grant is intended to cover the period required to complete the requirements for a first baccalaureate degree. Students must be making satisfactory progress in their academic program. In addition, a student must be a U.S. citizen or in the United States for other than a temporary purpose. Awards are based on a federal formula applied uniformly to all applicants.

The Federal Supplemental Educational Opportunity Grant (FSEOG) Program provides aid to students who show exceptional need for assistance in attending college. To be eligible

for an FSEOG, a student must be enrolled in a degree program and must be a citizen or permanent resident of the United States. Full-time student applicants are given priority when funds are limited.

The North Carolina Student Incentive Grant Program is administered by College Foundation, Inc., for legal residents of North Carolina accepted or enrolled full time and in good standing in an undergraduate program of study. Students must demonstrate substantial financial need as determined through federal needs analysis. Students should submit the completed federal application as early as possible, but not later than March 1; later filers will be considered if funds are available.

UNCW Grants and Need-Based Scholarships are awarded to North Carolina residents who demonstrate significant financial need, based on federal formulas, and who apply early. University need-based scholarships require a high UNCW cumulative grade point average as well. Since these funds are limited, later filers will be considered only if funds are available.

Athletic Grants-In-Aid are awarded to qualified students by the UNCW Athletic Department. Additional information may be obtained by writing to the director of Athletics.

The North Carolina National Guard Tuition Assistance Program is a state-funded tuition assistance program for active members of the North Carolina Guard. This program will award eligible guardsmen up to $1,000 per academic year for a maximum of four years. For additional information contact: Office of the Adjutant General, North Carolina National Guard, Attn.: AGRR, 4105 Reedy Creek Road, Raleigh, N.C. 27611, (919) 664-6000.

SCHOLARSHIPS

UNCW has a limited number of scholarships that have been generously donated in honor of individuals or organizations. Each of these scholarships has specific and unique criteria. While some are available to one or more students each academic year, others only become available after the current recipient has graduated. Because competition for scholarships is intense, merit scholarships are usually available only to the most outstanding new freshmen and continuing students.

Unless otherwise noted, students may request a scholarship application from the Financial Aid Office beginning in January for the following academic year. When the notation "No application" appears, students will be automatically considered from university records. Scholarships designated "Honors" are for select students accepted into the UNCW Honors Program. Those students will be contacted by the Honors Program with further information. If financial need is part of the eligibility criteria, all required financial aid forms need to be filed. Most scholarships are awarded in the late spring or early summer for the upcoming academic year.

The Alumni Association Academic Scholarship Program provides nine $1,500 per year renewable scholarships based on academic achievement, school and community involvement, and financial need. Applicants may be classified as in-state or out-of-state. Applications may be obtained from the UNCW Alumni Relations Office in January and must be completed and returned to that office by the March deadline. Please refer to application for exact date.

The American Association of University Women-Wilmington Branch (AAUW) awards a scholarship in the spring to a female junior majoring in one of the following areas: biology, chemistry, mathematics, or science. The AAUW conducts interviews, and selection of a recipient is based on a combination of grade point average and educational career objectives. Applications are available at the Financial Aid Office and must be completed by March 15.

The Order of Isaac Bear Scholarship is offered yearly to a descendent of a full-time Wilmington College student who attended at any time between September 1947 and June 1969, or a descendent of a full-time faculty member who taught at any time between September 1947 and June 1969. The applicant must be a full-time junior, senior, or a graduate student at UNCW and have a minimum 3.00 GPA.

Bedford Fair Endowed Scholarship provides a scholarship to an incoming freshman from a public high school in New Hanover County. Students should have made a contribution to their

community through volunteer or service activities, have a proven academic average of 3.0 or better, and have established financial need by applying through the regular financial aid process. This scholarship may be continued with a 3.00 cumulative GPA at UNCW; therefore, it may only become available after the current recipient has graduated. Contact the guidance counselor or UNCW Financial Aid Office.

Blackburn Brothers, Inc. Scholarship is awarded annually to assist with in-state tuition and fees. The scholarship shall be awarded yearly to a student who has lived at and had an address at Carolina Beach for the two years prior to applying for the scholarship. All recipients must have completed high school in New Hanover County. The scholarship is based on documented financial need and a record of community or school involvement. The award is for one year but may be continued. Contact your guidance counselor or the Financial Aid Office for an application.

William J. Boney Memorial Scholarship is awarded to a UNCW student who graduated from a North Carolina high school. The scholarship is merit based and is intended to assist, recruit, and retain academically strong students who also demonstrate leadership potential. Financial need may be a secondary consideration.

The Cape Fear Mini Storage, Inc. Scholarship is awarded annually to assist with in-state tuition and fees. The recipient must be a graduate of a high school in New Hanover County and live in one of the complexes managed by the Housing Authority of Wilmington. The scholarship is based on need and a record of community or school involvement. Contact your guidance counselor or the Financial Aid Office for an application.

The Eliza Collins Scholarship is awarded yearly by the Financial Aid Office to several students who demonstrate scholastic ability and need. No application.

The Emmett and Gladys Corbett Scholarship is intended to be a merit scholarship to recruit and retain academically strong students. The award is valued at $1,000 per academic year. Recipients may be eligible to receive the award for four years based on satisfactory merit progress. No application is necessary.

The Champion McDowell Davis Scholarship is available to students from any major. This scholarship covers in-state tuition and fees, books, and other select expenses and is awarded to students based on academic achievement, leadership potential, and demonstrated financial need. A selection committee is charged with choosing the recipients. This scholarship may be continued; therefore, it may not be available every year.

The Delta Sigma Theta Sorority Scholarship was established by the Theta Iota chapter of Delta Sigma Theta Sorority for the purpose of increasing minority female enrollment. Students from high schools in Brunswick, New Hanover, and Pender counties and high schools of the current members in the sorority may apply. The recipient will be selected based on the combination of proven academic achievement, community service, and school involvement. All applicants must be accepted to UNCW. Contact the high school guidance counselor or the Financial Aid Office for application.

Dr. A. P. and Frances Dickson Scholarship is awarded annually to a full-time undergraduate student who currently resides in Hoke County, North Carolina. Recipients are chosen by the Financial Aid Office on the basis of academic standing and financial need. Awards are nonrenewable and vary in amount according to income available from the trust.

Matthew Dale Donahue Scholarship Fund is available to a freshman or sophomore student who is a graduate of a New Hanover County or a southeastern North Carolina high school. The recipient will be selected based on documented financial aid need as determined by federal guidelines.

Dr. Hubert A. Eaton, Sr. Scholarship is awarded annually to a graduate of any accredited high school in New Hanover County. Students must meet the following criteria: achieve a cumulative grade point average of 3.0 or higher, demonstrate a record of leadership, school and community service, and maintain a 3.0 GPA or higher for scholarship renewal. Where candi-

dates are substantially equal in qualifications, the choice shall be determined by need. Contact the Financial Aid Office or the high school guidance counselor.

The Friends of UNCW Scholarship is a merit-based scholarship intended to allow the university to recruit and retain academically strong students. The recipient must be a North Carolina high school graduate and will be selected on criteria determined by the university. The scholarship is valued at $1,000 per academic year and the recipient may be eligible to receive the award for four years.

Eddie Godwin III Memorial Scholarship of $1,000 is awarded to a graduate of New Hanover High School. Applicants must be able to demonstrate financial need through the regular financial aid process. Applicants should also show evidence of self-help and acceptable academic standing. Though not required, athletic participation at the high school level is desirable. Because the scholarship may be renewed based on scholastic performance, a new recipient may not be named every year. Contact the Guidance Office at New Hanover High School or the Financial Aid Office for an application.

The Guilford Mills Scholarship will be awarded to a Guilford Mills regular associate or the child of Guilford Mills regular associates. The scholarship covers in-state tuition and fees and room and board. The recipients must be majoring in business administration or computer science. Applications must be received by mid-March each year. Contact Guilford Mills for an application.

The Mary Courtney Hardison Scholarship is intended for female freshman students who are graduates of any accredited high school in New Hanover County. Preference will be given to female students who have been active in high school activities, including organized athletics. Recipient(s) shall be selected based on a combination of academic achievement and demonstrated financial need. Contact guidance counselor or Financial Aid Office for application.

The Henry Harrell, Sr. Scholarship is awarded annually to North Carolina students who have a grade point average of 3.0 or better and have an exceptional financial need. No application.

The George Henry Hutaff Honors Scholarship Fund is intended to provide scholarships for students enrolled in the Honors Program and will be administered by the Director of the Honors Program. No application. (Honors).

The Interroll Corporation Scholarship will be awarded annually to a dependent of an Interroll employee. If no eligible student applies for the scholarship, it may be awarded to a student from southeastern North Carolina. The scholarship is valued at one half of published tuition and fees for non-employee children and full tuition and fees for employee children.

Jefferies and Faris Associates Merit Scholarship is intended to provide a tuition and fees scholarship to an undergraduate UNCW student. Because the scholarship is renewable contingent on continuing satisfactory progress, a new recipient may not be named every year.

The Annie Ross King Memorial Scholarship is an in-state tuition and fees merit scholarship available to students graduating from a New Hanover County high school. It is intended to recruit and retain academically strong students who have documented financial need. Students can be entering or enrolled students. No application. (Honors).

The H.M. & Pearl Kyle Foundation Scholarship is awarded annually to a worthy and deserving student. It is the intent of the donors that the scholarship be awarded to a person who can establish some sense of need and who is from eastern North Carolina or eastern South Carolina. Because the scholarship may be renewed on the strength of academic performance and continued need, a new recipient may not be named every year.

The Landmark Homes Merit Scholarship is intended to provide undergraduate academic scholarships for students who desire to enroll in the university Honors Program. First preference in awarding the scholarship will be given to a high school student from New Hanover, Pender, Columbus, and Brunswick Counties in North Carolina and Horry County, South Carolina. The acceptance of the scholarship is conditional on the student's promise to contribute to the scholarship fund after graduation. No application. (Honors).

The Hans Langhammer Scholarship is an in-state tuition and fee scholarship designed to enhance the minority presence on the UNCW campus. The scholarship is available to students in any academic discipline. Consideration will be given to financial need and academic potential. This scholarship may be renewed; therefore, it may not be available every year.

The Devereux Haigh Lippitt Scholarship is awarded annually to a North Carolina student based on academic achievement. This scholarship covers the in-state cost of tuition and fees and is given in memory of Devereux Haigh Lippitt by his family. This scholarship may be renewed; therefore, it may not be available every year.

James Lee Love Scholarship is awarded annually to a full-time North Carolina resident undergraduate student. Recipients are chosen by the Financial Aid Office on the basis of academic standing and financial need. Awards are nonrenewable and vary in amount according to income available from the trust.

The Lucile Murchison Marvin Scholarship is awarded each year to a student who has a grade point average of at least 3.0 and who demonstrates scholarship ability and financial need. This scholarship may be renewed; therefore, it may not be available every year.

The Dr. Robert A. Moore, Jr. Merit Scholarship is to assist in attracting academically gifted students. No application.

National Spinning Company provides a scholarship award for a student who is a child of an eligible National Spinning Company employee. If there are no students who are children of National Spinning employees to apply, the scholarship may be awarded to a student from southeastern North Carolina.

The NationsBank Merit Scholarship will be awarded each year to students in the UNCW Honors Program. No application. (Honors).

The New Hanover Regional Medical Center Auxiliary Scholarship of $500 is awarded each year to a student pursuing studies in a health-related field. Candidates must be graduates of a New Hanover County high school, be of good character, and be active in school and community activities. Entering freshmen must be in the top 10 percent of their graduating class and have scored at least 1200 on the SAT. In the event that more than one student qualifies academically, need shall be a determining factor. This scholarship is renewable contingent on continuing satisfactory academic progress. Consequently, this scholarship may not be open each year to new candidates.

The John and Constance K. Phillips Scholarship is available to students from any major with a preference to non-traditional students. This scholarship covers tuition and fees, and is awarded to students based on academic achievement with a commitment to complete their education and a demonstrated financial need. Recipients will be known as Phillips Scholars. The recipients will be chosen by the Office of Financial Aid.

The Pilot Club Scholarship is awarded annually by the Pilot Club of Wilmington. It is the policy of the Pilot Club to emphasize and sponsor a handicapped student. However, students planning to work in an area serving persons with disabilities would also be given special consideration. Students interested in applying should contact the Financial Aid Office for an application.

The R & E Electronics Scholarship is awarded to a sophomore minority student majoring in pre-engineering or a sophomore seeking a BS degree, in order of preference, in math, physics, medical technology, or computer science. The student must have graduated from a North Carolina high school and demonstrate academic ability and financial need.

The Eva McMillian Ross Scholarship provides an annual award to a female who is a New Hanover County high school graduate with a 3.5 or better grade point average. The scholarship is renewable if a 3.2 grade point average is maintained.

The Wilmington Rotary Club Scholarships are awarded annually to undergraduate students who demonstrate academic strength, good character, and financial need. Two scholarships will be awarded, one to a North Carolina student and one to an international student. Recipients are selected by the Wilmington Rotary Club.

The Wilmington West Rotary Club Scholarship is intended to attract and retain academically strong students and is awarded to a student from southeastern North Carolina based on academic achievement. The student may be considered for renewal with a minimum 3.00 GPA.

The North Carolina Sheriff's Association Undergraduate Criminal Justice Scholarship is an annual nonrenewable scholarship awarded on the basis of financial need and academic achievement. First preference goes to an applicant who is a son or daughter of any law enforcement officer killed in the line of duty. Second preference will be given to a son or daughter of any sheriff or deputy sheriff who is deceased, retired, or currently active in N.C. law enforcement. Third preference shall be given to any N.C. resident criminal justice student who has financial need and demonstrates academic achievement. Contact the Financial Aid Office for further information.

The Aaron and Elizabeth Silverman Scholarship Fund provides in-state tuition and fees scholarships to academically strong students. Scholastic achievement and graduation from an accredited North Carolina high school are the only criteria. The scholarship(s) can be awarded to a prospective student or to those students currently enrolled.

The C. M. and M. D. Suther Scholarship is awarded annually to deserving high school graduates who would not otherwise be able to attend college. The scholarship amount will be approximately $950 annually. Applicants must be N.C. residents with a 3.0 GPA, or in the case of an entering freshman, be in the top 25 percent of their graduating class.

United Carolina Bank (Business) Scholarships are awarded annually to juniors majoring in a business discipline. One of these awards will be made to a minority student. These awards are renewable providing the recipient maintains at least a 3.00 GPA.

The United Carolina Bank (Freshman) Scholarship is awarded annually to an entering freshman from a North Carolina high school. Consideration is given to students with at least a 3.00 high school GPA. Information may be obtained from the Financial Aid Office.

The University Women of UNCW Scholarship is awarded annually to a female undergraduate student enrolled full-time who has completed at least 60 semester hours. First consideration will be given to the student who demonstrates academic ability with financial need as second consideration. The non-traditional student will be given priority. Contact the Financial Aid Office for an application. Recipients are selected by the donor organization.

Dr. L. W. Upperman Scholarship is awarded annually to an incoming African-American freshman resident of North Carolina. Recipients are selected by members of the faculty with interests in African-American heritage. Preference is given to students admitted to the University Honors Program. The scholarship is renewable for up to four years and is approximately $3,000 per academic year.

The Elizabeth Dudley Urquhart Memorial Scholarship Fund provides scholarship assistance to an academically talented student who demonstrates financial need. The recipient must have completed the last two years of high school in a New Hanover County public school.

Robert F. and Catherine Warwick Scholarship Fund is available to UNCW students who have graduated from a New Hanover County high school. The scholarship will be awarded on the basis of involvement in the Fellowship of Christian Athletes, evidence of leadership potential, moral force of character, scholastic ability, and documented financial need. Contact guidance counselor or Financial Aid Office.

The Donald R. Watson Scholarship is restricted to UNCW students who graduated from a North Carolina high school. Recipients are selected on the basis of leadership potential and academic achievement. The award will be for one year; however, the student may reapply contingent on academic performance.

The Sally R. Wilkins Scholarship, established by The Wilmington Business and Professional Women's Club, is awarded annually and is restricted to female students pursuing a business or professional career. The scholarship is designed for students having a demonstrated financial need and a clearly designed academic goal. The value of the scholarship will be determined based on annual earnings of the scholarship fund. The scholarship is non-renewable.

The Wilmington Claims Association Scholarship is awarded to members of the association or children, dependent step-children, or legally adopted children of the membership. Recipients must be full-time students and must maintain a 2.00 GPA. Contact the Financial Aid Office for information.

The Wilmington Women's Club Scholarship is awarded to a New Hanover County high school graduate who demonstrates academic achievement and financial need. A recipient may continue to receive this scholarship if a 3.00 grade point average is maintained; therefore, a new recipient may not be named every year.

COLLEGE OF ARTS AND SCIENCES SCHOLARSHIPS

Students may contact the appropriate academic department for the following scholarships. In some cases, no application is necessary; students will automatically be given consideration.

The William F. Adcock, Jr., Music Scholarship is awarded to a student who plans to graduate from UNCW with a major in music and who has no more than 36 hours to complete before graduation. The award will be based upon overall excellence in music, above-average academic record, and acceptable performance standards.

The Franklin H. Allen Scholarship is awarded to a rising senior in biology on the basis of grade point average and other evidence of achievement; the recipient is chosen by a faculty committee.

The T. Earl Allen, Jr. Scholarship is awarded to a physical education major of junior or senior standing on the basis of scholarship and community service. The recipient is chosen by a Department of HPER faculty committee. This scholarship is given in memory of T. Earl Allen, Jr. by his family and friends.

The Applied Analytical Industries Chemistry Scholarship is a $2,000 annual in-state tuition, fees, and book allowance scholarship established for a senior chemistry major who has demonstrated excellence in analytical chemistry. The faculty of the Department of Chemistry will recommend each year's recipient to the chairperson of the department.

The Sankey L. Blanton Scholarship was established in the Philosophy and Religion Department by Sankey L. Blanton III. A scholarship will be given to a non-traditional student in the department based on financial need, academic merit, leadership, and character. Contact the Department of Philosophy and Religion.

The Charles and Kay Bolles Marine Biology Scholarship is awarded annually to a marine biology major. The scholarship will be awarded with merit as a first consideration and need as a secondary consideration. Contact the chairperson of the Department of Biological Sciences concerning application process.

The Dovie P. Bowden Scholarship is awarded to a biology or marine biology student of junior standing on the basis of scholarship and need by the Department of Biological Sciences.

The J. Rupert Bryan Scholarship is awarded to a political science major with financial need. Candidates must be able to demonstrate creativity, curiosity, and academic worthiness.

The Cape Fear Garden Club, Inc. Scholarship is awarded to a rising junior who has declared a major in biological sciences. The recipient must have at least a cumulative 3.0. The recipient shall be selected by a committee determined by the chair of the Department of Biological Sciences.

The Helena R. Cheek Memorial Scholarship is awarded by the Department of Foreign Languages and Literatures to a student who demonstrates special ability in the area of foreign language study and overall academic excellence. This scholarship is given in memory of Helena R. Cheek by her family and friends.

The John Colucci Memorial Scholarship is restricted to marine biology students. Recipient is identified by the department and may be awarded to graduate or undergraduate students. Amount will be determined by income. Contact the Department of Biological Sciences.

The J. Marshall Crews Scholarship is awarded annually to a major in the Department of Mathematical Sciences. Selection is based upon academic excellence, extracurricular activities, and faculty recommendation. Applicants seeking further information should contact the Department of Mathematical Sciences.

The Glaxo Women in Science Scholarship has been established to encourage women to enter the sciences. Recipients must have a 3.0 GPA and have a goal of entering the sciences for a career. Recipients will be assigned a woman mentor at Glaxo Industries. No application is necessary. Selection is made by committee.

The Benjamin R. and Edith B. Graham Scholarship is awarded annually to a marine biology and an education major who graduated from an accredited southeastern North Carolina high school. The award shall be based on academic achievement with financial need being a secondary factor. Inquiries should be made to the chairperson of the appropriate major department.

The Louise Jackson Green Scholarship is a $2,000 award per academic year and will be given to an English major based on merit as a first priority, with exemplary moral character and leadership potential serving as secondary considerations. The student must be a formally declared English major with a concentration in literature and language and must be a rising junior or senior. The recipient shall be chosen by the Department of English.

The Jay Hensley Scholarship was established for the purpose of recognizing academic merit in the area of marine science. The scholarship will be awarded to a junior or senior full-time undergraduate student. First preference will be given to a high school student from New Hanover, Pender, Columbus, and Brunswick Counties in North Carolina and Horry County, South Carolina. Contact the Department of Biological Sciences.

The Jazz Awards are available to students who participate in the UNCW Jazz Ensembles and who are actively involved in the Jazz Program. Awards range from $250 to $500.

The Jean Jordan Memorial Scholarship (sponsored by the New Hanover-Pender Medical Society Auxiliary) is awarded to a nursing student, second- or third-year medical technology student, or junior or senior pre-medical student who is a resident of New Hanover, Pender or Brunswick County and who demonstrates financial need and scholastic ability. Contact the School of Nursing or the Financial Aid Office.

The LaQue Scholarship is an annual scholarship awarded to a chemistry major. Students interested in applying for this scholarship should contact the chairperson of the Department of Chemistry.

The Charles R. Long Scholarship is awarded to student(s) majoring in accountancy or philosophy and religion. Scholarship(s) will be awarded based on a prospective student's need and academic potential as first priority. Leadership potential and citizenship shall be considered as additional factors in the selection process. Value of the scholarship will be determined based on annual earnings. Students should contact the appropriate department concerning application process.

The Eunice T. and Marguerite B. MacRae Scholarship provides an in-state tuition and fees scholarship to a student in foreign languages and literatures. The recipient will be selected by the Department of Foreign Languages and Literatures.

The Herbert and Shirley Mintzes Memorial Scholarship is awarded to the rising sophomore with the highest standing in the Principles of Biology course (BIO 110); the recipient is chosen by the course instructors.

The Music Department Scholarship is awarded annually to a freshman planning to major in music. Should no freshman qualify, the awards will go to upperclass music majors. The amount of each award is approximately $500.

The New Hanover/Pender Medical Society Scholarship is designed for UNCW students enrolled in the pre-medical program. The $500 scholarship is coordinated by the chair of the UNCW Department of Chemistry and is designed to assist students preparing for medical school. No application.

The New Hanover Regional Medical Center Auxiliary Scholarship provides an annual award to a student majoring in a health-related field. Academic merit and participation in extracurricular activities are the primary criteria, used with financial need being a secondary factor in selecting the recipient. No application.

The A. Carl Nelson Scholarship is awarded each year by the faculty of the Department of Mathematical Sciences. Selection criteria include academic excellence and extracurricular activities. Inquiries should be directed to the chairperson of the Department of Mathematical Sciences.

The Pep Band Scholarships are awarded to music and non-music majors for participation in the UNCW Pep Band.

The Philosophy and Religion Scholarship is awarded on the basis of academic achievement by the Department of Philosophy and Religion to one or more departmental majors for use in defraying academic expenses. The recipient is chosen by a faculty committee.

The Ernest Stephen Prevost Scholarship is awarded to an undergraduate student majoring in chemistry. The recipient will be selected based on a demonstrated financial need and proven academic ability. For information, contact the chairperson of the Department of Chemistry.

The Anne Green Saus Scholarship is awarded annually to an English major with a concentration in literature and language. The scholarship will be awarded with merit as first consideration and need as a secondary consideration. The scholarship will be valued at the in-state tuition and fee rate in effect at the time of award plus a $200 book allowance. The recipient shall be chosen by the English Department.

The Fred Toney Scholarship is awarded each year based upon balloting by the faculty of the Department of Mathematical Sciences. Criteria include academic excellence and extracurricular activities. Inquiries should be directed to the chairperson of the Department of Mathematical Sciences.

The James E. L. Wade Scholarships in history and political science are awarded to high school seniors who have a B average or above on high school work, an interest in history or political science as a major, and financial need. For additional information, contact the appropriate department.

The Wilmington Arts Association Scholarship is awarded to a junior or senior majoring in the arts division of the Department of Art and Theatre. Academic excellence and artistic merit will be criteria for determining recipients. No application.

The Wright Corporation Scholarship is awarded to a chemistry major. Students interested in applying for this scholarship should contact the chairperson of the Department of Chemistry.

The R.F. Zimmerman/South Atlantic Services Scholarship is awarded annually to a chemistry major. The award includes in-state tuition, fees, and a book allowance. The recipient will be selected on the basis of academic achievement and documented financial need, as well as good character and leadership potential. No application necessary.

CAMERON SCHOOL OF BUSINESS SCHOLARSHIPS

Students may contact the Cameron School of Business for information regarding the following scholarships:

The Thomas J. Burke Scholarship is awarded annually to an undergraduate student on the basis of scholastic ability, demonstrated leadership qualities, and recommendation by the faculty.

The Roger P. Hill Scholarship is awarded annually to a junior or senior business major on the basis of scholastic ability, character, and recommendations by the faculty. Special consideration is given to non-traditional students beginning or returning to academic study.

Hughes Brothers, Inc. Scholarship is awarded annually to an incoming freshman who plans to major in business and covers tuition, fees, books, housing, and meals. The scholar-

ship criteria are: 1) graduated from an approved North Carolina high school, 2) academic ability, 3) need, and 4) high potential for leadership. Contact Financial Aid Office or high school guidance counselor.

The J. W. Jackson Scholarship has a $2,000 per year value and is restricted to a junior, senior, or graduate student enrolled in the Cameron School of Business. The scholarship is designed for students with high academic potential. Students awarded this scholarship are eligible to reapply.

Mary R. King Memorial Scholarship is a merit-based scholarship for female students who have been accepted into the Cameron School of Business. It is valued at in-state tuition and fees. Selection is based on all work attempted at UNCW.

The Charles R. Long Scholarship is awarded to student(s) majoring in accountancy or philosophy and religion. Scholarship(s) will be awarded based on a prospective student's need and academic potential as first priority. Leadership potential and citizenship shall be considered as additional factors in the selection process. Value of the scholarship will be determined based on annual earnings. Students should contact the appropriate department concerning application process.

The Lower Cape Fear Human Resources Association Scholarship, established for students planning to concentrate in the study of management, is awarded annually on the basis of scholastic ability, financial need and recommendations by faculty. For information and application forms, contact the chairperson of the Department of Management and Marketing.

The Dorothy P. Marshall Scholarship is awarded to a junior or senior in the Cameron School of Business who has demonstrated both financial need and scholastic ability.

The Peoples Savings Bank Scholarship is awarded annually. Preference is given to students majoring in economics or finance and to those who are high school graduates from New Hanover or Pender Counties.

The Purchasing Management Association of Carolinas-Virginia Scholarship is awarded annually to a student with an indicated interest in the field of purchasing management or marketing.

The Sales and Marketing Executives International Association (Cape Fear Chapter) Scholarship, established for students concentrating in the study of marketing, is awarded annually on the basis of scholastic ability, financial need, and recommendations by faculty. For information and application forms, contact the chairperson of the Department of Management and Marketing.

The Lee M. Sherman Scholarship is awarded annually to an undergraduate student on the basis of scholastic ability, demonstrated leadership qualities, and recommendation by the faculty.

The Elwood Walker Scholarship is awarded annually to a student enrolled in the Cameron School of Business who demonstrates scholastic ability and strong character. Preference will be given to students majoring in accounting.

The Sally R. Wilkins Scholarship is awarded annually to a female student pursuing a business or professional career. Applicants must have clearly designed academic goals and be able to demonstrate financial needs.

The Greater Wilmington Merchants Association Scholarship is awarded annually to an undergraduate student on the basis of scholastic ability and recommendations by the faculty. Preference is given to students concentrating in marketing, with special consideration given to students interested in retailing.

The Wilmington Shipping Company Scholarship, established in memory of Ernest W. Newman, is awarded annually to a junior or senior business student with an indicated academic and career interest in international business. Applicants must be residents of North Carolina and eligible for in-state tuition. The recipient will be determined by scholastic ability, financial need, and recommendations from the faculty.

WATSON SCHOOL OF EDUCATION SCHOLARSHIPS

Students may contact the Watson School of Education, Dean's Office, for information regarding the following scholarships:

The Sue McCall Boone Scholarship for education majors was established to provide a scholarship for a New Hanover County student who demonstrates a financial need at UNCW. The scholarship is named in honor of Miss Sue Boone, New Hanover educator, who contributed over 50 years of service in the community. The scholarship is awarded to one student biennially in the amount of tuition.

The James Ozborn Carr Scholarship is awarded to students in the Watson School of Education. Character and leadership potential will be factors in determining recipients. The scholarships are restricted to graduates of southeastern North Carolina high schools. The scholarships are designed to attract and retain academically strong students.

The Delta Kappa Gamma (Beta Phi Chapter) Scholarship is established by the Beta Phi Chapter of Delta Kappa Gamma to assist a female student who has been accepted into Watson School of Education. The scholarship is based on need and is renewable. The amount of the scholarship is based on available fund income. Recommendation is made by the Financial Aid Office with input from the Watson School of Education.

The Benjamin R. and Edith B. Graham Scholarship is awarded annually to a marine biology and an education major who graduated from an accredited southeastern North Carolina high school. The award shall be based on academic achievement with financial need being a secondary factor. Inquiries should be made to the chairperson of the appropriate major department.

The Lee V. Landing Scholarships are awarded annually to elementary, middle school, or special-education majors who have been accepted into the UNCW Watson School of Education. Recipients are selected on the basis of academic achievement as first consideration with financial need a secondary factor.

The North Carolina Prospective Teacher Scholarship/Loan Program provides assistance to prospective North Carolina teachers. The program provides up to $2,500 per year in loan funds which will be canceled if the student teaches in North Carolina public schools after graduation. The program is administered by the Department of Public Instruction. Inquiries regarding the program should be directed to N.C. Prospective Teachers Scholarship Program, State Department of Public Instruction, Raleigh, NC 27611. To be eligible for this program a student must be enrolled full-time and be a North Carolina resident. The application deadline is in early February for the following academic year.

The North Carolina Teaching Fellows Program is designed to identify talented students interested in teaching and to assist those students in becoming teachers by the award of scholarship/loans for four years of undergraduate study, repayable through the means of service. Award recipients will receive annual awards of $5,000 for each of their four college years subject to legislative appropriation. Consideration under this program is given to entering freshmen. Interested applicants should contact their high school guidance office in the beginning of their senior year.

The Ann Durant Walker Scholarship Award—The Alpha Psi Chapter of Alpha Delta Kappa awards a scholarship to a junior or senior majoring in special education. The scholarship is given in memory of Ann Durant Walker who helped develop the Special Education Program in New Hanover County.

SCHOOL OF NURSING SCHOLARSHIPS

Students may contact the School of Nursing for information regarding the following scholarships:

The Billie Burney Memorial Scholarship, started by family and friends of the late Billie Burney, is awarded annually as a tuition scholarship to a student in the field of nursing. No application necessary.

The Cape Fear Memorial Hospital Auxiliary Student Nursing Scholarship is awarded to a rising senior nursing student who plans to graduate from the University of North Carolina at Wilmington. The award is designed to assist a senior nursing student in his/her final year of undergraduate work. The recipient must present a financial need, academic merit, and participation in extracurricular activities. Leadership potential, community service, and citizenship shall also be considered in the selection process. Applications may be obtained through the University of North Carolina at Wilmington, School of Nursing Office.

The Forty and Eight Nursing Scholarship is an academic scholarship established by Voiture 245, the Forty and Eight of American Legionnaires, in joint memory of Voyageur Militaire John H. McInnis and Miss Dorothy Dixon, and is open to nursing students who graduated from high school in New Hanover, Pender, or Brunswick County. No application. Selection is made by the School of Nursing.

The Hilda W. Fredericks Scholars Program was established to support scholarships and grants for nursing education for UNCW students. Full-time rising seniors are eligible to apply. Applicants must have a cumulative GPA of 3.00 or better and complete the application process. Applications are available from the School of Nursing Office of the Dean.

The Ministering Circle of Wilmington awards scholarships on the basis of scholastic ability, financial need, and recommendation to rising senior nursing students accepted in the School of Nursing at UNCW. Inquiries should be directed to the Financial Aid Office.

The New Hanover Regional Medical Center Auxiliary Scholarship is awarded to a student in a health-related field based on academic achievement, with financial need as a secondary factor. No application.

The North Carolina Nurse Scholars Program was established by the General Assembly to provide college scholarships for outstanding high school graduates and other persons interested in becoming a registered nurse. Scholarships are based upon academic merit. Application forms for the scholarship are available in the nurse education departments, guidance offices in high schools in North Carolina, and from the State Education Assistance Authority. Scholarships are valued at $3,000 to $5,000.

The Nursing Education Scholarship/Loan Program provides assistance to prospective North Carolina nurses. The recipient must be able to demonstrate need through the regular financial aid process. The program provides loans which will be canceled if the recipient practices full time in North Carolina after graduation. Contact the Financial Aid Office. No application.

The Nancy Crow Stovall Memorial Scholarship was established by the Ministering Circle of Wilmington. The scholarship is to be awarded to a senior nursing student and is based on academic performance, character, and documented financial need. The recipient is selected by The Ministering Circle. Application information may be obtained from the Financial Aid Office.

The Edith Graham Toms Scholarship is a memorial scholarship awarded to an outstanding nursing student. This scholarship is valued at the in-state rate for tuition and fees plus books and supplies. Applicants must be admitted into the School of Nursing. No application.

The Theresa Bentsen Warrick Memorial Nursing Scholarship is awarded to a nursing student demonstrating financial need and proven academic and clinical achievements. Applicants must be graduates from North Carolina high schools and present an overall grade point average of at least 2.50. No application.

EMPLOYMENT

The Federal Work-Study Program, which is federally funded, provides part-time jobs on the UNCW campus or off campus with community service organizations, for students who have demonstrated financial need. To be eligible for Federal Work Study, a student must be enrolled in a degree or teacher certification program and must be a citizen or permanent resident of the United States.

The Institutional Work Program, also known as the Work Assistant Program, makes funds available for campus jobs for students regardless of financial status. These funds are allocated

to departments with the selection of student work assistants determined by those departments. Students interested in the program should direct inquiries to the Career Services Center.

Off-Campus Employment is coordinated by Career Services. Part-time jobs, summer employment, internships and full-time opportunities are listed for students on Career Services computers in 104/106 University Union, and are available through the internet in any UNCW computer lab or other computer with web access. Students seeking work experiences are encouraged to find work or volunteer experiences that will aid in their academic and career exploration.

LOANS

Parent Loans for Undergraduate Students (PLUS)

Parent loans may be secured to assist in covering educational costs. Parents may borrow up to the cost of attendance minus all other financial assistance. In determining eligibility, the credit worthiness of the borrower is of primary importance.

Students are encouraged to apply through the regular financial aid process. A variable interest rate will be calculated annually with a cap of nine percent.

Federal Stafford Loans provide students with long-term, low-interest loans. Under this program, a student may borrow up to $2,625 as a freshman, $3,500 while a sophomore, and $5,500 for junior or senior status. All borrowers are required to complete the regular financial aid process to establish their eligibility based on financial need. Repayment of these loans begins six months after a student ceases to be enrolled at least half time and borrowers are permitted up to ten years for repayment. The interest on the loan begins at the time of repayment and is calculated annually with a cap of 8.25 percent.

Federal Unsubsidized Stafford Loans expand the Stafford Loan Program for students who do not demonstrate need, as determined by federal guidelines. Even though the unsubsidized Stafford Loan carries the same loan limits and interest rate as the subsidized Stafford Loan, interest is charged while the student is enrolled.

Federal Perkins Loans provide students with long-term, low-interest loans for educational expenses. Under this program students may borrow up to $3,000 per year and a total of $15,000 for undergraduate study. Repayment begins nine months after graduation or withdrawal from school, and the borrower may take up to 10 years to repay the loan. The interest rate is five percent and begins accruing nine months after graduation or withdrawal from school. All or part of the loan may be canceled for service in certain professions. Applicants must complete the regular financial aid process. To be eligible for a Federal Perkins Loan, a student must be enrolled in a degree or certification program and must be a citizen or permanent resident of the United States. Unlike the Federal Stafford Loan Program, Federal Perkins Loan funds are limited and are usually awarded to early filers with the greatest need.

The North Carolina Prospective Teachers Scholarship-Loan Program provides assistance to prospective North Carolina teachers. The program provides up to $2500 per year in loan funds which will be canceled if the student teaches in North Carolina public schools after graduation. The program is administered by the Department of Public Instruction. Inquiries regarding the program should be directed to N.C. Prospective Teachers Scholarship Program, State Department of Public Instruction, Raleigh, N.C. 27611. To be eligible for this program, a student must be enrolled full-time and be a North Carolina resident. The application deadline is in early February for the following academic year.

The North Carolina Student Loan Program for Health, Science and Mathematics provides financial assistance to North Carolina residents who demonstrate need as determined by the Board for Need-Based Medical Student Loans. Loans are available for study in the medical fields, mathematics and science programs that lead to a degree. Additional information can be obtained by writing or calling: The Student Loan Program, P.O. Box 20549, 3824 Barrett Dr., Suite 304, Raleigh, North Carolina 27619-0549, (919) 571-4182. The application deadline is in early spring for the following academic year.

The Nursing Education Scholarship/Loan Program provides assistance to prospective North Carolina nurses. The recipient must be able to demonstrate need through the regular financial aid process. The program provides loans which will be canceled if the recipient practices full time in North Carolina after graduation. Applicants should contact the Financial Aid Office for specific information.

The William L. Anderson Barlow and Mellie Hill Barlow Fund provides interest-free loans to eligible candidates when repaid within 10 years after graduation or last enrollment in a degree program. Eligible candidates include priority consideration for full-time students who are orphans or raised in orphan-like conditions and who need financial assistance in securing a college education. Applicants from single-parent homes may also be considered as may other categories of students depending on the availability of funds. A separate application is required and may be obtained from the Financial Aid Office.

The Marshburn Nursing Loan Fund provides monies to a nursing student/students identified by the dean of the School of Nursing as needing financial assistance to complete the program. The student would be eligible for a no-interest loan to complete his/her training. Repayment of the loan must be made within 24 months from the date he/she ceases enrollment at UNCW.

SATISFACTORY ACADEMIC PROGRESS (SAP) FOR FINANCIAL AID ELIGIBILITY (UNDERGRADUATE)

The Standards of Satisfactory Academic Progress for Financial Aid (Undergraduate)

Federal regulations require the university to establish Standards of Satisfactory Academic Progress, involving both qualitative (cumulative grade point average) and quantitative (hours earned compared to hours attempted, and a maximum time limit) elements. This requirement applies to all applicants for any federal assistance, including Federal Pell Grants, Federal Supplemental Educational Opportunity Grants (FSEOG), Federal Work Study, NC Incentive Grants, the Federal Family Education Loan Program, which includes the Federal Stafford and Unsubsidized Stafford Loans for students, and PLUS Loans for parents of undergraduate students, and the Robert C. Byrd Honors Scholarship program. The same standards apply to all assistance from the State of North Carolina and all other aid that is determined by the Financial Aid Office. These standards do not apply to campus employment which is not based on "financial need." If a student has obtained a scholarship, grant, or loan from any other source, he/she is encouraged to contact that source regarding their academic progress requirements. It is the student's responsibility to stay informed of the university's SAP standards and to monitor his/her own progress.

To be eligible for financial aid at UNCW, whether or not aid was received in the past, students must be in compliance with all three of the following areas: cumulative GPA, hours earned, maximum time limit.

I. Cumulative Grade Point Average (GPA)

Students must maintain the minimum cumulative grade point average established by UNCW for satisfactory progress toward graduation requirements. This is specified on the University Retention Chart, page 82.

II. Hours Earned (Compared to Hours Attempted)

We recommend students attempt to earn at least 30 hours per academic year in order to graduate in four years. To remain eligible for financial aid, the following requirements must be met:

1. Students enrolled ***FULL-Time**** for both fall and spring semesters are required to earn a total of 24 or more hours each academic year.
2. Students enrolled ***LESS THAN FULL-TIME***** for either or both fall and spring semesters are required to earn 100% of all hours attempted.

3. Students enrolled ***FULL-TIME**** for only one semester are required to earn at least 12 hours.
4. Students enrolled ***FULL-TIME**** for one semester and ***LESS THAN FULL-TIME***** the other semester are required to earn the equivalent of 12 hours (for the full-time semester) plus 100% of the number of hours attempted during the less than full-time semester. (example: attempt 15 hours fall, 9 hours spring - must earn 21 hours (12+9) by end of spring semester)

***FULL-TIME** = Enrolled in 12 or more hours at the end of the drop/add period.
****LESS THAN FULL-TIME** = Enrolled in 1-11 hours at the end of the drop/add period

- Withdrawing from classes after the drop/add period will affect students' ability to satisfy the hours earned standard.
- To earn hours at UNCW, one must receive a grade of A, B, C, or D (including + and -). All other grades, including F, I, W, WF, AU, or Z, are not considered earned hours.
- Audited courses do not count for either attempted or earned hours.
- If a course in which a D was earned is repeated under the Repeat Policy (Repeating of Courses section, p. 80) the student should be aware that hours are only earned one time for that course. Therefore, enough hours must be taken so the student actually earns the required number of hours for that academic year.
- Math 100/English 100 - Grades of A, B, and C (including + and -) are considered as satisfying the SAP requirement for these courses, although no hours are actually earned and the grade does not figure into the GPA. All other grades for these courses will have an adverse effect on the student's ability to meet the hours earned standard.

III. Maximum Time Limit

To remain eligible for financial aid, undergraduate students must complete their degree requirements within 150 percent of the published length of their academic program. At UNCW, this means that students in programs requiring 124 hours for graduation will be eligible for financial aid during the first 186 attempted hours as an undergraduate. All attempted hours are counted, including transfer hours, whether or not financial aid was received, or the coursework was successfully completed. This also applies to students admitted under the three-year rule since their attempted hours will include hours attempted during prior enrollment.

Annual SAP Reviews

At the end of the spring semester, a year-end review is completed, and students who are out of compliance with one or more of the SAP standards become ineligible for further financial aid until all deficiencies are remedied. The Financial Aid Office sends written notification of ineligibility to students at their permanent addresses as listed in official university records in the Registrar's Office.

Regaining Eligibility for Financial Aid

To regain eligibility for financial aid, a student must consult with a financial aid official to determine the appropriate alternatives. **Cumulative GPA's** can only be improved by coursework at UNCW. **Hours earned** deficiencies may be made up by attendance at UNCW or another institution. However, if enrolling elsewhere, the student must complete the appropriate transient study forms and have the coursework preapproved by UNCW prior to enrolling at the other institution. Following completion of coursework elsewhere, the student must request that an academic transcript be sent to the UNCW Registrar's Office. Once deficiencies have been remedied, the student must notify the Financial Aid Office and request reinstatement of eligibility. This process begins when all grades and credit hours are officially recorded at UNCW.

Once the **maximum time limit** standard has been exceeded, financial aid eligibility ends, even if the student is in compliance with the other two standards.

Appeals

Federal regulations allow for certain cases in which the school may waive the standards. Specifically, if a student's failure to be in compliance with one or more areas of satisfactory academic progress is due to events beyond the student's control, such as a student's extended illness, serious illness or death in the immediate family, or other significant trauma, and if such mitigating circumstances can be appropriately documented for the specific term(s) in which the deficiency occurred, the student may appeal to the Financial Aid Office. Eligibility may be regained by appeal for a fall or spring semester, but generally appeals cannot be considered to reinstate eligibility prior to a summer term. *Contact the Financial Aid Office to obtain an Appeal for Reinstatement of Eligibility form.*

FINANCIAL AID REFUND AND REPAYMENT POLICY

Refunds

The university's refund policy, as detailed in the Expenses section of the university catalogue, complies with the requirements of the university's accrediting agency and the U.S. Department of Education. Students must follow the official withdrawal process to receive a refund under the university's policy. To officially withdraw from the university, students must complete an Official Withdrawal Form in the Registrar's Office. Any outstanding financial obligations to the university will be deducted from the amount refunded.

There are special requirements for federal financial aid recipients who cease attendance in all classes (officially withdraw, unofficially withdraw, etc.). Federal regulations dictate a special refund calculation for students receiving Title IV federal student financial aid. The requirements specify an amount to be refunded as well as an amount the student may have to repay from funds disbursed directly to the student for living expenses. We recommend that students discuss the effects of their withdrawal with the Financial Aid Office before making the decision to leave the institution. Examples of the application of the institution's refund policy are available to students upon request in the Financial Aid Office.

Refunds are based on the last date of class attendance or the last date a student will attend. For students attending UNCW for the first time who withdraw before the end of the first 60 percent of the enrollment period (semester or term), their refund will not be less than that portion of the UNCW charges (tuition, fees, room, board, and other charges assessed the student by UNCW) that is equal to the portion (as of the date of withdrawal) of the period of enrollment for which the student has been charged, less any unpaid amount of a student's scheduled cash payment.

For all other students receiving Title IV federal student financial aid, the school will make refunds in accordance with the UNCW Refund Policy which provides the same or a higher amount than the federal refund requirements.

Repayments

Students may owe a repayment on cash received prior to withdrawal. If a student's non-instructional educational expenses incurred up to the time of withdrawal exceeded the amount of cash disbursement, the student does not owe a repayment. If cash disbursed exceeds the non-instructional costs of education incurred up to the time of withdrawal, the student does owe a repayment. This repayment is the difference between expenses incurred and the actual cash refund received. Non-instructional expenses are determined by calculating the percentage of room, board, books, supplies, travel and personal expenses incurred during the portion of the term a student is enrolled.

Order and Distribution of Refunds and Repayments

As required by federal regulations, refunds will be paid in the order listed below. No one program shall be refunded/repaid more than what was received from the program for the term of withdrawal.

1. Unsubsidized Federal Stafford Loan Program
2. Subsidized Federal Stafford Loan Program
3. Federal PLUS Program
4. Federal Perkins Loan Program
5. Federal Pell Grant Program
6. Federal SEOG Program
7. Other Title IV Program
8. Other federal programs
9. State programs
10. Private or institutional assistance
11. Student

Note: The Higher Education Act of 1965 as amended is scheduled for reauthorization in 1997. It is expected that changes may be made in the refund and repayment requirements for federal student financial aid recipients. Should this occur, UNCW will notify students of the new requirements.

VETERANS SERVICES

The Office of Veteran Services (OVS) in James Hall provides certification for educational benefits to veterans and/or their dependents, enrolled at the University of North Carolina at Wilmington. Veteran Services are administered under the umbrella of the Financial Aid Office at UNCW. The OVS is concerned with the recruitment and retention of veterans at the university and ensuring that they successfully complete their educational program. Veteran Services assist students receiving educational benefits under Chapter 35 (Dependents), Chapter 32 (VEAP), Chapter 1606 (reservists from all branches of the services, and Chapter 30 (individuals who served on active duty). Veterans who feel they have an entitlement should check with their local VA Office, the Regional Office in Winston-Salem (1-800-827-1000) or the VA certifying official at their local educational institution.

Two exceptions to the above are:

- A veteran who has a 20 percent or greater disability due to service connected cause(s) may be eligible for benefits under Chapter 31. Check with the Veterans Affairs Regional Office (1-800-827-1000).
- Veterans who served on active duty prior to December 31, 1976 and with unbroken service between July 1, 1985 and June 30, 1988 may be eligible for a combination of benefits: the Vietnam era GI Bill and the Montgomery GI Bill (Chapter 34 and 30).

The primary goal of the Office of Veteran Services is to assist students with VA counseling regarding their course work and benefits while they work to successfully complete their desired educational objective within the guidelines of the North Carolina State Approving Agency. The OVS is required to monitor attendance and successful completion of courses and to review students' records to ensure the appropriate curricula are followed. Services to veterans and dependents include referrals to peer and professional counseling, employment, community outreach services, tutorial services and special programs for educationally disadvantaged veterans.

All students receiving VA Educational Benefits are required to come to the OVS at least once each semester to complete their class schedule to ensure prompt correspondence between the OVA and the Veterans Administration. For further information about veteran benefits and eligibility requirements, students should contact the OVS at (910) 962-3136, (910) 962-3773, Fax (910) 962-3851 or e-mail to: veterans@uncwil.edu. **Any changes in the veteran's course of study <u>must</u> be cleared with the OVS to ensure continuation of benefits.**

University Regulations

UNIVERSITY REGULATIONS

ACADEMIC HONOR CODE

The University of North Carolina at Wilmington is committed to the proposition that the pursuit of truth requires the presence of honesty among all involved. It is therefore this institution's stated policy that no form of dishonesty among its faculty or students will be tolerated. Although all members of the university community are encouraged to report occurrences of dishonesty, honesty is principally the responsibility of each individual.

Academic dishonesty takes many forms, from blatant acts of cheating, stealing, or similar misdeeds to the more subtle forms of plagiarism, all of which are totally out of place in an institution of higher learning. Reporting and adjudication procedures have been developed to enforce the policy of academic integrity, to ensure justice, and to protect individual rights. Complete details may be found in the current *Student Handbook and Code of Student Life* and in the *Faculty Handbook.*

ADVANCED PLACEMENT

The University of North Carolina at Wilmington participates in the advanced placement programs of the College Entrance Examination Board. A brochure listing the examinations, required minimum scores, course equivalents, and credits awarded is available through the Office of Admissions. A freshman who scores three or above on the Advanced Placement test will receive appropriate college credit and advanced placement. Students taking Advanced Placement tests should have the score reports sent to the Registrar's Office for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.

Students who are talented and well prepared may also receive credit for a variety of courses by achieving a passing score on one of the College-Level Examination Program (CLEP) tests. Tests are offered and can be registered for biannually at the Student Development Center.

Students who have been exempted with credit from courses at an accredited college or university may be exempted with credit from appropriate courses at the University of North Carolina at Wilmington, as outlined in the test brochure. When the exemption is based on a test result, the student should have a copy of the score report sent to the Office of Admissions. In those cases in which a student has demonstrated knowledge of a particular field by more advanced course work, exemptions may be granted on an individual basis by the appropriate department chairperson.

Supplementary foreign language credit: Students who complete, with a grade of "C" or better, a French, German, Latin or Spanish course numbered 201 or higher (excluding 209, 210, 211, and 212) and who have received no AP credit, no transfer credit, and no 100-level credit at UNCW in that language shall be granted three hours of supplemental elective credit. This credit shall not apply toward Basic Studies requirements.

ADVISING

Students and their advisors confer when necessary, but they should confer at least once before every registration period to review goals, plans for achieving them, and any problems encountered or anticipated. Students have the responsibility to understand and meet the requirements for the curriculum under which they are studying and should seek advice as appropriate.

AUDITING

The auditing of courses without credit is approved by special permission of the registrar and of the instructor involved. Individuals not regularly enrolled as students in the university who wish to audit courses will be classified as special students and will be required to pay regular

tuition and fees. University students in regular status will be permitted to audit courses and must pay the same tuition and fees required for credit courses.

CANCELLATION OF COURSE REGISTRATION POLICY

A department chairperson, upon recommendation of the instructor, may cancel a student's registration in any course offered in that department if the registered student fails to attend the first class meeting and fails to notify the department office of a desire to remain enrolled within 24 hours of the class time. This cancellation action will only take place when a course is fully enrolled and additional students are waiting to enroll. Students who wish to drop a class should not assume they have done so by not attending the first class but should follow the normal drop/add procedures printed in the semester schedule.

The appropriate dean's office should notify the relevant department chairperson of late-arrival students who cannot attend the first class meeting because of illness or other reasons approved by a dean of the college, the professional schools or the dean of students.

If cancellation action is taken by a department chairperson, the registration openings resulting from this action will be offered to students seeking enrollment in the courses during the official drop/add period. Students who have been authorized to add a course should follow the normal drop/add procedures printed in the semester schedule.

Student appeals resulting from emergencies or other extenuating circumstances will be considered on a case-by-case basis in the appropriate dean's office.

CHANGE OF MAJOR OR MINOR

For students assigned to Student Academic Support Programs for advising, all requests for a declaration of major or option, the declaration of a double major or the declaration of a minor in the College of Arts and Sciences must be completed in the Student Academic Support Programs office. For students beyond the Academic Support Programs, the change of major or option, the declaration of a double major, or the declaration or change of a minor in the College of Arts and Sciences or a professional school must be completed in the Office of the Registrar. The only exception is for students changing from one department in a professional school to another department in the same school. These requests must be completed in the office of the dean of that school. Students are advised to consult with their advisor in the original major before changing majors.

CHANGE OF NAME AND ADDRESS

It is the obligation of every student to notify the Office of the Registrar in writing of any change in name or of permanent mailing address. Documentation in the form of a valid driver's license or voter registration card is required.

CLASS ATTENDANCE

Students are expected to be present at all regular class meetings and examinations for the courses in which they are registered. All faculty members are responsible for setting policy concerning the role of attendance in determining grades for their classes. It is the responsibility of the students to learn and comply with the policies set for each class for which they are registered.

CLASSIFICATION OF STUDENTS

Students are classified as freshmen, sophomores, juniors, and seniors. Semester hours passed are used to determine these classifications. In order to graduate in eight semesters, a student must average 31 hours each year.

The required number of hours passed for each classification is as follows:

Less than 27 semester hours credit - Freshman
From 27-58 semester hours credit - Sophomore
From 59-88 semester hours credit - Junior
More than 88 semester hours credit - Senior

DEAN'S LIST

To be included in the Dean's List at the close of each semester, students must meet one of the following criteria:

(a) Students carrying 12-14 hours must earn a quality point average of 3.50 or better with no grade less than B (3.00).

(b) Students carrying 15 hours or more must earn a quality point average of 3.20 or better with no grade less than B (3.00).

(c) Students participating in the Honors Program who are carrying 12-14 total hours but are not receiving a grade for the current semester of honors work shall be eligible for the Dean's List if their grade point average on the remaining 9-11 hours otherwise meets current standards for the Dean's List.

Students carrying 11 hours or fewer are not eligible for the Dean's List.

DEGREES WITH DISTINCTION

Three degrees with distinction are granted to graduating students based on all work attempted in meeting requirements for the degree as follows:

Cum Laude for an overall average of 3.50
Magna Cum Laude for an overall average of 3.70
Summa Cum Laude for an overall average of 3.90

Degrees with distinction are granted to transfer students under the following conditions:

(1) The student must have the required overall average on all work attempted (including all transfer courses attempted).

(2) The student must have the required average on work attempted at the University of North Carolina at Wilmington.

Students who complete the Departmental Honors Program satisfactorily will be graduated "With Honors" in the discipline in which the special work is undertaken.

Students who complete the University Honors Program will have the additional designation "University Honors."

DETERMINING ENROLLMENT STATUS

Because the university must officially respond to requests for a determination of a student's enrollment status from outside agencies as well as university offices, the following policy is provided:

UNDERGRADUATE-REGULAR TERM

Full-time status requires a minimum enrollment of 12 credit hours.
Half-time status requires a minimum enrollment of 6 credit hours.

UNDERGRADUATE-SUMMER SCHOOL

Full-time status requires a minimum enrollment of six credit hours per summer session.
Half-time status requires a minimum enrollment of three credit hours per summer session.
Enrollment status for determining financial aid eligibility is calculated across both mini sessions in the summer term.

FINAL EXAMINATION POLICY

University policy requires the scheduling of final examinations. Under this policy, the final examination schedule provides a three-hour period for each examination and allows a maximum of four examinations per day. The length of the final examination, up to a maximum of three hours, is at the discretion of the instructor.

The final examination schedule is published at the beginning of each semester. Courses offered during the day have final examinations during the day. Night courses have final examinations at night.

A student who is scheduled to take three or more final examinations in one calendar day may have one or more rescheduled so that no more than two per day are required. To reschedule an exam the student must notify the three (or four) instructors and the appropriate dean(s) of this desire at least two weeks before the beginning of the final examination period. It will be the responsibility of the instructors, working with the student, to reschedule the exam(s) and so inform the student and the appropriate dean(s) at least one week before the beginning of the final examination period.

Rescheduling of a final examination for an entire class may be done only with the approval of the appropriate dean.

GRADE APPEAL PROCEDURE

Any student considering a grade appeal should understand that each faculty member has the academic freedom and responsibility to determine grades according to any method, chosen by the faculty member, which is professionally acceptable, communicated to everyone in the class, and applied to all students equally. However, prejudiced or capricious academic evaluation by a faculty member is a violation of a student's rights and is the valid ground for a grade appeal.

Any student who contests a course grade shall first attempt to resolve the matter with the instructor involved. Failing to reach a satisfactory resolution, the student may appeal the grade in accordance with the procedures outlined below. These procedures are not to be used in cases involving student academic dishonesty. An appeal must be made no later than the last day of the next succeeding regular semester.

1. The student shall present the appeal in writing to the chairperson of the department within which the contested grade was awarded. The written statement shall limit itself to citations of evidence pertaining to the valid ground for the appeal. By conferring with the student and the instructor, the chairperson will seek resolution by mutual agreement.

2. Failing such resolution the department chairperson shall transmit the written appeal to the appropriate dean who will convene the Grade Appeals Committee.

3. The Grade Appeals Committee shall consist of the convening dean and five faculty members appointed by the dean. If the committee affirms the instructor's decision, the dean will notify in writing the faculty member, the student, and the department chairperson as appropriate. If the committee supports the student's appeal, it shall prescribe the method by which the student will be reevaluated. The grade resulting from the prescribed reevaluation is final and may not be further appealed.

GRADES AND REPORTS

The University of North Carolina at Wilmington uses the quality point system and semester hour credit for calculating student achievement. Plus (+) or minus (-) grades may be awarded at the discretion of the faculty. Grade symbols used are the following:

Grade	Quality Points	
A	4.00	Excellent
A-	3.67	
B+	3.33	
B	3.00	Good
B-	2.67	
C+	2.33	
C	2.00	Average
C-	1.67	
D+	1.33	
D	1.00	
D-	0.67	Passing
F	0.00	Failure
I	0.00	Incomplete
W	0.00	Withdrawn
WF	0.00	Failure/Late Withdrawal
Z	0.00	Unreported Grade

The quality point ratio is determined by dividing the accumulated number of quality points earned by the accumulated number of quality hours. Hours for which a grade of "F" or "WF" has been assigned are included in this calculation.

At the discretion of the instructor, a student may be given a grade of Incomplete when the work in the course has not been completed for reasons beyond the control of the student. All incomplete grades must be removed according to a deadline established by the instructor, not to exceed one calendar year from the end of the semester in which the Incomplete was given, otherwise the "I" becomes "F." A student must not register for the class when attempting to remove a grade of Incomplete.

Grade reports are mailed to the student at the end of each semester.

INDEBTEDNESS

All indebtedness to the university must be satisfactorily settled before a diploma or transcript of record will be issued.

LATE REGISTRATION AND DROP/ADD

Late registration and drop/add occur during the first week of each academic term. The dates are limited to those announced in the university calendar of events and as announced by the Registrar's Office. During this period, late registration, drop/add and audit-only students are processed.

OFF-CAMPUS COURSES

Students may be permitted to earn credits toward degree requirements at UNCW through coursework at extension campuses and at other two- and four-year colleges and universities in the United States and abroad, as well as through correspondence courses. To receive permission, a student must complete the "Permission for Transient Study" form and obtain the approval of his/her department chairperson (or the director of the Center for Academic Advising) and dean prior to registering for the course. The permission form must be on file in the Registrar's Office prior to the student's leaving campus. [See also RESIDENCY REQUIREMENT.]

ORIENTATION

All new students (freshmen, transfers and unclassified) are required to attend an orientation program prior to the beginning of their first term. The purpose of orientation is to acquaint

students with academic requirements, campus services, and involvement opportunities. During orientation, students are assigned an academic advisor, take placement tests as needed, and register for classes. Students are notified by mail of the time to report for the activities involved.

POLICY STATEMENT ON ILLEGAL DRUGS

Students, faculty members, administrators, and other employees of the University of North Carolina at Wilmington are responsible, as citizens, for knowing about and complying with the provisions of North Carolina law that make it a crime to possess, sell, deliver, or manufacture those drugs designated collectively as "controlled substances" in Article 5 of Chapter 90 of the North Carolina General Statutes. A copy of this law is available in the following offices: Human Resources, Dean of Students, and Academic Affairs. Any member of the university community who violates that law is subject both to prosecution and punishment by the civil authorities, and disciplinary proceedings against a student, faculty member, administrator, or other employee will be initiated when the alleged conduct is deemed to affect the interest of UNCW.

Penalties will be imposed for violation of the policies of UNCW only in accordance with procedural safeguards applicable to disciplinary actions against students, faculty members, administrators, and other employees. The penalties that may be imposed range from written warnings with probationary status to expulsion from enrollment and discharge from employment. For more information, please refer to the *Student Handbook and Code of Student Life,* The Code of the University of North Carolina (Section 603), and Personnel Procedure No. HR 6.10.

Every student, faculty member, administrator, and other employee of UNCW is responsible for being familiar with and complying with the terms of the policy on illegal drugs adopted by the Board of Governors of the University of North Carolina and the Board of Trustees of UNCW. A copy of the full text of that policy is available in the Office of Human Resources and appears below as well as in the *Student Handbook and Code of Student Life,* and the *Faculty Handbook.*

Policy On Illegal Drugs

1. Introduction

The fundamental purpose of the University of North Carolina at Wilmington (UNCW) is to maintain an environment that supports and encourages the pursuit and dissemination of knowledge. That environment is damaged by illegal drug use. Therefore, all members of the academic community, students, faculty members, administrators, and other university employees, share the responsibility for protecting the environment by exemplifying high standards of professional and personal conduct.

2. Policy and Program

A. The illegal use, possession, sale, delivery and/or manufacture of drugs will not be tolerated and may be grounds for immediate suspension or dismissal of students, faculty members, administrators and other university employees.

B. UNCW policies and programs are intended to emphasize:
   1. The incompatibility of the use or sale of illegal drugs with the goals of the university.
   2. The legal consequences of involvement with illegal drugs.
   3. The medical implications of the use of illegal drugs.
   4. The ways in which illegal drugs jeopardize an individual's present accomplishments and future opportunities.

C. UNCW provides a systematic substance-abuse education and prevention program designed to reach all segments of the campus community. To assist in accomplishing this mission, the Center for Substance Abuse Education and Prevention has developed

a well-integrated centralized program that is a focal point for campus substance-abuse education, training, and prevention which monitors the effectiveness of programs for constituencies served. This center provides substance-abuse counseling and referral services on campus and in the external community. It also provides consultative services to offices and agencies in the university environment and collaborates with the employee assistance coordinator in the University Personnel Office to develop counseling and referral services for faculty and staff desirous of seeking assistance off-campus. This Policy on Illegal Drugs is presented within the four areas of education, counseling and rehabilitation, enforcement and penalties, and assessment.

3. **Education**

UNCW provides a program of education designed to help all members of the university community avoid involvement with illegal drugs. Education programs:

A. Provide a system of accurate, current information exchange on the health risks and symptoms of drug use for students, faculty and staff.
B. Promote and support institutional activity programming that discourages substance abuse.
C. Establish collaborative relationships between community groups and agencies and the institution for education, treatment and referral.
D. Provide training programs for students, faculty, and staff to enable them to detect problems related to drug use and to refer persons with these problems to appropriate assistance.
E. Include information about drugs for students and family members in the student orientation programs. The use of prescription and over-the-counter drugs will be addressed.
F. Support and encourage faculty in incorporating education about drugs into the curriculum where appropriate.
G. Develop a coordinated effort across campus for drug-related education, treatment and referral.

4. **Counseling and Rehabilitation**

A. UNCW provides information about drug counseling and rehabilitation services to members of the university community. Persons who voluntarily avail themselves of university services can be assured that applicable professional standards of confidentiality will be observed. Counseling and rehabilitation services include:
   1. Provision of training for professional staff and student staff on drug-abuse information, intervention and referral.
   2. Conducting education programs for students who have demonstrated abusive behavior with drug problems.
   3. Conducting individual and group counseling for members of the university community with drug problems.
   4. Conducting drug-abuse assessments.
   5. Coordinating referral and follow up of campus individuals and developing a referral and follow-up mechanism in collaboration with the employee assistance coordinator in the Personnel Office.
   6. Organizing campus self-help groups.
   7. Providing consultation, information and referral for students, staff and faculty with drug problems.
   8. Designing and developing referral opportunities for members of the university community who desire to seek professional assistance beyond the campus. This will be done in cooperation with the employee assistance coordinator in the Personnel Office.
   9. Providing with peer involvement a system of intervention and referral services for students, faculty and staff.

B. In providing the above prevention strategies, it is recognized that some campus constituents may prefer professional assistance external to the campus. Therefore, the campus community substance-abuse education and prevention program coordinator will collaborate with the employee assistance coordinator in the development of appropriate referral mechanisms for these individuals. A listing of off-campus resources for assistance and referral is available for those who choose that option. In the development of this program, it is desired that faculty, students, administrators and other employees be comfortable with the manner in which they are served and have a choice in the selection of appropriate assistance. Individuals served in the counseling program on campus can be assured that confidentiality will be maintained and that they will be served by professionals.

5. Enforcement and Penalties

A. Enforcement:

In seeking to enforce established university policy, the University of North Carolina at Wilmington will:

1. Publicize all drug policies.
2. Consistently enforce drug policies.
3. Exercise appropriate disciplinary action for drug policy violations.

B. Penalties:

UNCW shall take actions necessary, consistent with state and federal law and applicable university policy, to eliminate illegal drugs from the university community. University policy on illegal drugs is publicized in the university catalog, student and faculty handbooks, student orientation materials, letters to students and parents, residence hall meetings, and faculty and employee meetings.

Students and faculty members, administrators, and other employees are responsible as citizens for knowing about and complying with the provisions of the North Carolina law that makes it a crime to possess, sell, deliver, or manufacture drugs designated collectively as "controlled substances" in Article V, Chapter 90 of the North Carolina General Statutes. Any member of the university community who violates that law is subject to both prosecution and punishment by the civil authorities and disciplinary proceedings by UNCW. It is not "double jeopardy" for both civil authorities and the university to proceed against and punish a person for the same specified conduct. The university will initiate its own disciplinary proceedings against the student, faculty member, administrator, or other employee when the alleged conduct is deemed to affect the interest of the university.

Penalties will be imposed by UNCW in accordance with procedural safeguards applicable to disciplinary actions against students (see *Student Handbook and Code of Student Life,* Section II), faculty members (see Policies of Academic Freedom and Tenure, UNCW, Section VII), and administrators and other employees (see Procedure No. HR 6.10 and Personnel Policies for Designated Employment Exempt from State Personnel Act-EPA Administrative Positions).

The penalties to be imposed by the university may range from written warning with probationary status to expulsion from enrollment and discharge from employment; however, the following minimum penalties shall be imposed for the particular offenses described.

1. Trafficking in Illegal Drugs
   a. For a first offense involving the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell or deliver any controlled substance identified in Schedule I, North Carolina General Statutes 90-89 or Schedule II, North Carolina General Statutes 90-90 (including, but not limited to, heroin, mescaline,

lysergic acid diethylamide, opium, cocaine, amphetamine, methaqualone), any student shall be expelled and any faculty member, administrator, or other employee shall be discharged.

b. For a first offense involving the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell or deliver, any controlled substance identified in Schedules III through VI, North Carolina General Statutes 90-91 through 90-94, (including, but not limited to, marijuana, pentobarbital, codeine), the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent. For a second offense, any student shall be expelled, and any faculty member, administrator, or other employee shall be discharged.

2. Illegal Possession of Drugs

a. For a first offense involving the illegal possession of any controlled substance identified in Schedule I, North Carolina General Statutes 90-89, or Schedule II, North Carolina General Statutes 90-90, the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent.

b. For a first offense involving the illegal possession of any controlled substance identified in Schedules III through VII, North Carolina General Statutes 90-91 through 90-94, the minimum penalty shall be probation for a period to be determined on a case-by-case basis. A person on probation must agree to participate in a drug education and counseling program, consent to regular drug testing, and accept such other conditions and restrictions, including a program of community service, as the chancellor or chancellor's designee deems appropriate. Refusal or failure to abide by the terms of probation shall result in suspension from enrollment or employment for any unexpired balance of the prescribed period of the probation.

c. For the second or other subsequent offenses involving the illegal possession of controlled substances, progressively more severe penalties shall be imposed, including expulsion of students and discharge of faculty members, administrators, and employees.

3. Suspension Pending Final Disposition

When a student, faculty member, administrator, or university employee has been charged by UNCW with a violation of policies concerning illegal drugs, he or she may be suspended from enrollment and/or employment before initiation or completion of regular disciplinary proceedings if, assuming the truth of the charges, the chancellor or, in the chancellor's absence, the chancellor's designee concludes that the person's continued presence within the university community would constitute a clear and immediate danger to the health or welfare of other members of the university community; provided that, if such a suspension is imposed, an appropriate hearing of the charges against the suspended person shall be held as promptly as possible thereafter.

6. Assessment

A. UNCW shall in its effort to continually assess the campus environment:

1. Appraise the institutional environment as an underlying cause of drug abuse.
2. Assess campus awareness, attitudes, and behaviors regarding the use of drugs and employ results in program development.
3. Collect and use drug-related summary information from police and security reports to guide program development.
4. Collect and use summary health, counseling, and client information to guide program development.

5. Collect summary data regarding drug-related disciplinary actions and use it to guide program development.

B. Annually, the chancellor shall submit to the Board of Trustees a report of campus activities related to illegal drugs for the proceeding year. The report shall include the following:
1. A listing of major education activities conducted during the year;
2. A report on any illegal drug-related incidents, including any sanctions imposed;
3. An assessment by the chancellor of the effectiveness of the campus program; and
4. Any proposed changes in university policy on illegal drugs.

The chancellor shall provide a copy of this report to the president.

Rules of the State Personnel Commission govern the disciplinary actions that may be taken against SPA employees. Under current Commission regulations, discharge, rather than suspension, is the applicable penalty for SPA employees in those instances where this policy otherwise requires suspension.

PREREGISTRATION

Preregistration for students currently enrolled is held each semester at specified times. Prior to preregistration all students receive special instructions and preregistration materials in their student mailboxes. Students prepare a course program, submit it at an appointed time to their advisors for review, and complete the preregistration process. Students who complete preregistration and pay fees by the designated date are registered, except in the event that they are declared academically ineligible, at the end of the preceding semester.

PROGRESS TOWARD GRADUATION IN FOUR YEARS

To graduate in four years, the student must successfully complete all graduation requirements and an average annual course load of 31 semester hours. This course load requires the student to take approximately 15-16 hours per semester or earn hours through summer enrollment. Among the factors responsible for extending the time necessary to complete degree requirements beyond four years are a student's late decision to change majors, requiring additional course work; part-time employment while enrolled; family responsibilities; and unilateral decision to take fewer than the recommended average of 15.5 hours per semester.

REGISTRATION

Registration occurs immediately prior to each term and is limited to the time period specified in the university calendar of events and other days as announced by the Registrar's Office. This process is for students who did not preregister or are new to the university. Classes may not be added after the last day of registration. Degree students may take up to 18 hours without restriction. Students who have a cumulative quality point average of 3.50 may be allowed, with special permission of the appropriate dean, to carry a maximum of 21 semester hours.

RELEASE OF "DIRECTORY INFORMATION"

The University of North Carolina at Wilmington has routinely made public certain information about its students. Typically, UNCW releases the names of students who are selected by the various honorary societies, receive scholarships, make the Dean's List, hold offices, or are members of athletic teams. The annual commencement program publishes the names of persons who have received degrees from UNCW during the year.

The Family Educational Rights and Privacy Act defines the term "directory information" to include the following information: the student's name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received,

and the most recent previous educational agency or institution attended by the student. The university will make public information about each student limited to these categories in ways such as those described above. Of course, information from all these categories is not made public in every listing.

Students who do not wish to have any or all of such "directory information" made public without their prior consent must notify the Office of the Registrar of this fact in a signed and dated statement specifying items not to be published. This notice must be received by the Office of the Registrar by the end of the registration period for the semester or session of first enrollment or, after an absence, of re-enrollment and by the end of each fall registration thereafter.

Family Educational Rights and Privacy Act (FERPA)

Certain personally identifiable information about students ("education records") may be maintained at The University of North Carolina General Administration, which serves the Board of Governors of the University system. This student information may be the same as, or derivative of, information maintained by a constituent institution of the University; or it may be additional information. Whatever their origins, education records maintained at General Administration are subject to the federal Family Educational Rights and Privacy Act of 1974 (FERPA).

FERPA provides that a student may inspect his or her education records. If the student finds the records to be inaccurate, misleading, or otherwise in violation of the student's privacy rights, the student may request amendment to the record. FERPA also provides that a student's personally identifiable information may not be released to someone else unless (1) the student has given a proper consent for disclosure or (2) provisions of FERPA or federal regulations issued pursuant to FERPA permit the information to be released without the student's consent.

A student may file with the U.S. Department of Education a complaint concerning failure of General Administration or an institution to comply with FERPA.

The policies of The University of North Carolina General Administration concerning FERPA may be inspected in the office at each constituent institution designated to maintain the FERPA policies of the institution. Policies of General Administration may also be accessed in the Office of the Secretary of The University of North Carolina, General Administration, 910 Raleigh Road, Chapel Hill, NC 27515-2688.

Further details about FERPA and FERPA procedures at General Administration are to be found in the referenced policies. Questions about the policies may be directed to Legal Section, Office of the President, The University of North Carolina, General Administration, Annex Building, 910 Raleigh Road, Chapel Hill, NC (mailing address P.O. Box 2688, Chapel Hill, NC 27515-2688; telephone: 919-962-4588).

REPEATING OF COURSES

Students who receive a grade of "C-" or better in a course may not repeat the course but may audit without credit.

Students who receive a grade of "D" (including "D+" or "D-") or "F" in a course taken at UNCW may repeat the course at UNCW. The first five times a student repeats courses the previous grade and hours of credit for the repeated course will not be used in calculating the student's quality point average and hours toward graduation. All grades shall remain on the student's transcript.

In interpreting the policy it is to be understood that: (1) the term "first five times" means (a) that the policy is automatically operative for a student the first time that the student repeats a course and continues through the fifth time a student repeats a course, and (b) that the five repeats may involve five different courses or fewer courses repeated more than once; (2) a student may go beyond 5 course repeats, but such repeats will not enjoy the privilege of the policy;

(3) all students will be able to enjoy the benefits of this policy irrespective of prior course repeat activity; (4) this policy does not govern the repeating of graduate courses (see the Graduate Catalogue for the appropriate policy).

Note: A failing grade received owing to admitted or adjudicated academic dishonesty shall not be replaced if the course is repeated. Both the penalty grade and the new grade shall appear on the student's transcript and count in the student's grade point average. A student may not appeal the policy stated in this paragraph to any faculty or administrative level.

REQUIREMENTS FOR A DOUBLE MAJOR

A student may elect to major in two separate disciplines with the permission of the chairperson of each of the departments and on the condition that the student meets all requirements for each major. The student who completes requirements for more than one major will receive only one degree, but at the time of the initial graduation the record will indicate both majors when the completed requirements lead to the same baccalaureate degree.

A student who returns to the university after the initial graduation to complete the requirements for a second major may have the additional major added to the official record upon written notification from the department chairperson that all departmental requirements have been met satisfactorily. A new or replacement diploma will not be issued.

REQUIREMENTS FOR ANOTHER BACCALAUREATE DEGREE

A student with a baccalaureate degree from UNCW may receive another baccalaureate degree if it is a different degree and a different major by fulfilling the following requirements:

(1)The student must meet all the requirements for the second degree and major, including the current basic studies requirements.

(2)The student must have a minimum of 154 hours credit for a minimum of 30 hours in residence beyond the 124 required for the previous degree.

A student who will be awarded two baccalaureate degrees at the same time must meet all the requirements for both degrees and majors and must complete a minimum of 154 hours.

REQUIREMENTS FOR GRADUATION

Application for graduation must be filed in the Office of the Registrar on or before the dates specified in the university calendar.

Students may qualify for the bachelor's degree by completing successfully (1) the basic studies requirements, (2) an approved course of study in an academic major, (3) a minimum of 124 semester hours of credit, and (4) a minimum quality point average of 2.00. The final 30 semester hours of course credit, including the final 15 semester hours in the major, must be completed at the University of North Carolina at Wilmington.

Graduation will be certified at the end of the term in which all academic requirements are complete. Upon completion of all requirements, the student will receive either the Bachelor of Arts, the Bachelor of Music, the Bachelor of Science, or the Bachelor of Social Work degree.

In advising and registering students, the deans, the registrar and faculty advisors try to make certain that every student who intends to graduate from the university registers for those courses which are required for a degree. The student, however, must assume the final responsibility for meeting the graduation requirements set forth in the university catalogue.

A student who enrolls at the University of North Carolina at Wilmington during any academic year and who earns credit for work done during the year may graduate under the provisions of the entering catalogue or under any subsequent catalogue, provided all graduation requirements are completed within six years of the expiration date of the catalogue chosen.

RESIDENCY REQUIREMENT

The final 30 semester hours of course credit, including the final 15 semester hours in the major, must be completed at the University of North Carolina at Wilmington. Any exception to this requirement must be recommended by the appropriate dean for approval by the vice chancellor for Academic Affairs.

RETENTION, DISMISSAL AND RE-ADMISSION

The University of North Carolina at Wilmington both encourages and requires scholarship. In order to remain at the university, all students must meet the quality point requirements outlined below.

RETENTION CHART

Total Quality Hours and Transfer Hours	Required Quality Point Average for Eligibility To Continue in the University	Warning
1-16	1.20	1.20-1.99
17-26	1.40	1.40-1.99
27-58	1.65	1.65-1.99
59-88	1.90	1.90-1.99
89 or more	2.00	

Transfer students are placed in the above retention chart based on total hours transferred from all institutions attended. Transfer students' quality point averages are computed only on quality hours attempted through the University of North Carolina at Wilmington.

Any student who does not meet the minimum quality point requirement for retention at the conclusion of the spring semester will be declared ineligible. The student will be allowed to make up deficiencies during this university's summer sessions which immediately follow the spring semester in which he/she was declared ineligible. If such deficiencies are not removed the student will be dismissed from the university. The student may re-enroll for any summer and fall semester if space is available. Applications for re-enrollment are available in the Admissions Office and should be filed as early as possible to ensure enrollment consideration.

A second academic dismissal is final unless eligibility for continued residence or for readmission is restored by completion of sufficient work during the summer sessions at the University of North Carolina at Wilmington.

Students may, through appropriate administrative review of mitigating circumstances, be authorized to continue with their studies on a conditional basis. Written permission must be obtained from the appropriate dean prior to the beginning of the semester in which such students wish to enroll.

STATEMENT OF UNIVERSITY POLICIES, PROCEDURES AND DISCIPLINARY ACTIONS IN CASES OF DISRUPTION OF EDUCATIONAL PROCESS

A policy statement was adopted by the Board of Trustees of the former consolidated University of North Carolina on October 26, 1970. It is set forth in Chapter V of the Code Provisions Governing the University of North Carolina, and is set forth in full in the *Student Handbook and the Code of Student Life.*

STUDENT CONDUCT

The filing of an application of admission shall be construed as both an evidence and pledge that the applicant accepts the standards and regulations of the University of North Carolina at Wilmington and agrees to abide by them. Each student, by the act of registering, is obligated to obey all rules and regulations of the university catalogue and other university publications. The university reserves the right to ask for the withdrawal of any student who refuses to adhere to the standards of the institution.

STUDENT HEALTH INSURANCE

A university-sponsored Student Group Health Insurance Plan is available at a reasonable rate. Contact the Student Health Center or the Dean of Students Office for information.

STUDENT MEDICAL FORM AND IMMUNIZATION FORM

North Carolina General Statute 130A, 152-157, establishes specific immunization requirements for all students enrolled in North Carolina colleges or universities. It is the responsibility of the Student Health Center to monitor the immunization record of each student to ensure compliance with state law and university requirements.

All UNCW students are required to submit to the Student Health Center a complete and up-to-date immunization record prior to registration.

Student medical forms required for physical education participation will also be collected at the Student Health Center.

Immunizations that are REQUIRED pursuant to NC state law.

Students 17 years of age or younger ..... REQUIRED:

- 3 DTP (Diphtheria, Tetanus, Pertussis) or Td (Tetanus, Diphtheria) doses; One Td booster must have been within the past 10 years.
- 3 Polio (oral) doses
- 2 Measles (Rubeola), 1 Mumps, 1 Rubella (MMR is preferred vaccine)

Students born in 1957 or later and 18 years of age or older ..... REQUIRED:

- 3 DTP (Diphtheria, Tetanus, Pertussis) or Td (Tetanus, Diphtheria) doses; One Td booster must have been within the past 10 years.
- 2 MEASLES (Rubeola), 1 Mumps, 1 Rubella (MMR is preferred vaccine)

Students born before 1957 ..... REQUIRED:

- 3 DTP (Diphtheria, Tetanus, Pertussis) or Td (Tetanus, Diphtheria) doses; One Td booster must have been within the past 10 years.
- 1 Rubella dose (not required if student is 50 years of age or older).

NOTE...

- History of Measles (Rubeola) is acceptable if physician verifies that student had the disease prior to January 1, 1994.
- Blood titer tests are acceptable for Measles, Mumps, Rubella and Hepatitis B. Laboratory test results must be attached.

TUBERCULIN SKIN TEST (PPD) IS **REQUIRED** within the TWELVE MONTHS PRECEDING the beginning of classes (or chest x-ray if test is positive).

Failure to comply with university immunization requirements will result in registration being canceled or blocked.

TRANSCRIPTS

Transcripts are issued to students by the Registrar's Office. All requests for transcripts must be in writing and must include the student's signature. Valid picture ID is required for personal pick up of transcripts.

TRANSFER OF CREDIT

Students transferring to UNCW may receive up to 94 semester hours of academic credit from all institutions attended; however, no more than 62 semester hours can be transferred from two-year institutions. Correspondence courses (15 semester hours maximum), CLEP credit and military credit will be counted toward the total.

Credit earned at another institution with a grade of "C" (2.00) or better is accepted by the university if the work transferred is comparable to offerings of the University of North Carolina at Wilmington. The final 30 semester hours of course credit, including the final 15 semester hours in the major, must be completed at the University of North Carolina at Wilmington. Hours attempted and quality points earned at other institutions are not used in computing grade point averages except in the case of students applying to enter the nursing program and seniors graduating with honors and/or distinction.

TRANSIENT STUDY

See OFF-CAMPUS COURSES.

TUITION SURCHARGE

Effective fall 1994, all new undergraduates seeking a baccalaureate degree at the University of North Carolina at Wilmington will be subjected to a 25% tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110% of the required credit hours to complete an officially designated five-year program. For details concerning counted credit hours, students subject to the surcharge, students exempt from the surcharge, and the way that the surcharge is calculated, see the preceding catalogue section on "Expenses," subhead, "Tuition Surcharge."

WITHDRAWAL POLICY FOR UNDERGRADUATE STUDENTS

A student is allowed to withdraw from the university or from individual courses through the first week of the semester without having a grade entered on the academic record. Inclusive of the second through the sixth week of the semester, any student who withdraws from the university or from individual courses will receive a grade of "W". A grade of "W" will not affect the student's grade point average. Beginning with the seventh week of the semester, a grade of "WF" may be assigned for each course withdrawal and will count as hours attempted; this failing grade may be changed to "W" should extenuating circumstances warrant.

To withdraw from an individual class or classes, through the sixth week of classes, the student must report to the Registrar's Office before or on the last day for withdrawal, as indicated in the university calendar of events.

To withdraw from all classes and the university at any time during the semester, the student must process an official withdrawal form through the office of the dean who oversees the student's major. A student who is assigned to Student Academic Support Programs but who is identified as a pre-major in a specific discipline must process the form in the office of the dean who oversees that discipline.

A student who is assigned to Student Academic Support Programs and who is not identified as a pre-major in either the Cameron School of Business, the Watson School of Education, or the School of Nursing must process the form in the office of the dean of the College of Arts and Sciences. If the student is unable to appear in person to withdraw from all classes and the university, written notice must be sent to the appropriate dean's office.

Should extenuating circumstances warrant, the grade of "WF" assigned for course withdrawal after the withdrawal deadline may be changed to a "W". It is the student's responsibility to initiate an appeal for this change to be made. In the case of late withdrawals from individual courses, the student must initiate the appeal in the office of the dean who oversees the department or departments in which the course or courses are taught. In the case of late withdrawal from all courses, the student must initiate the appeal in the office of the dean stipulated in the above procedure for university withdrawal. The decision of the dean is final and must be rendered prior to the end of the semester in which the withdrawal occurred. A grade of "WF" that is not appealed successfully remains a permanent part of the student's academic record.

Students attending summer session need to be cognizant that the withdrawal period in summer may be only one or two days. Therefore, summer school students should carefully note the last day to withdraw from classes as printed in the summer school schedule of courses.

Student Life

STUDENT LIFE

DEAN OF STUDENTS

The Office of the Dean of Students serves as the primary focal point for addressing student needs, issues and concerns, and serves as a resource and referral office for all faculty, staff and students. The primary goal is to advocate for students in promoting individual success. The dean and assistant dean of students represent the student perspective to the university community by working with all segments of the university to help students develop through opportunities, advice and assistance. Within the Student Affairs Division, the Office of the Dean of Students provides consultation, new program development, and assistance to the vice chancellor with special projects. Specifically, the office advises the Greek Affairs program, publishes the *Student Handbook and Code of Student Life,* administers the student judicial system, including violations of the Academic Honor Code; develops and implements educational programs and services on sexual assault, sexual harassment awareness and prevention, nontraditional students, and human relations issues; advises the student media boards; assists the Office of Affirmative Action in processing cases of discriminatory personal conduct, including sexual harassment; serves as the liaison to the Council of Campus Ministries; and coordinates with University Police all crisis intervention and emergency response strategies.

ART EXHIBITIONS

Monthly exhibitions of painting, sculpture and the graphic arts are held in the gallery-lobby of Kenan Hall. Student art is often featured. All exhibitions are open to the public without charge.

ASSOCIATION FOR CAMPUS ENTERTAINMENT

The Association for Campus Entertainment (ACE), coordinates the various student-produced events on campus. It provides a diversified schedule of programs, activities, and events that promote and provide opportunities for educational, social, and cultural growth for students and the campus community. ACE is comprised of the following committees: Arts/Lecture, Films, Coastal Comedy, Underground, Publicity, Concerts, Cultural Arts, and Special Events. The organization is a member of the National Association for Campus Activities.

ATHLETICS

The university holds membership in the National Collegiate Athletic Association, Eastern College Athletic Conference, the Colonial Athletic Association and the Big South Conference. Varsity intercollegiate teams are fielded for men in basketball, cross country, baseball, golf, soccer, tennis, swimming and diving, and track and field. Varsity intercollegiate teams for women are fielded in basketball, softball, tennis, track and field, volleyball, swimming and diving, golf, cross country, and soccer.

Mission Statement

The mission of the Department of Athletics, based on and consistent with the purpose of the university, is to encourage student scholarship and sportsmanship with emphasis placed on helping students make appropriate progress toward completing their chosen academic degree program. Academic integrity is a basic element of all athletic programming decisions. This ensures that the educational values, practices and mission of UNCW set the standards for the program. UNCW's Athletic program is characterized by its quest for student excellence not only in competition, but also and especially in the academic setting. The university is committed to continually improving this program which is an integral part of campus life and one of several university focal points for building student and regional involvement and support. Athletics provides opportunities for students to utilize their athletic skills through competition at the appropriate intercollegiate level and to have the university represented by men and women

whose conduct and sportsmanship reflect positively on the institution. It seeks to field disciplined and competitive athletic teams dedicated to observing all applicable rules and to provide superior trainer and medical support to all intercollegiate athletes. Athletics also works to foster a sense of personal responsibility by all who attend athletic events. The program insists upon a high moral code of honor and respect from each of its athletes and personnel and adheres to all the policies, rules and guidelines of the National Collegiate Athletics Association and the Colonial Athletic Association. UNCW's athletic program is committed to complying with Title IX regulations and the promotion of affirmation action goals.

CAMPUS ACTIVITIES

Campus Activities enhances the university experience of students by engaging them in developing and participating in social, cultural, leisure, multicultural, intellectual, and campus governance programs. Through the diverse programs, students learn about varied cultures, ideas, issues, and art and musical forms. These activities are planned collaboratively by students and staff to support the mission of the university, including complementing and reinforcing the academic programs, retaining students, strengthening campus and community relations, and reflecting and promoting the diversity of students' needs and interests. Arts-in-Action, UNCWeekends, Welcome Week, Homecoming, SpringFest, and the Intercultural Festival are examples of these efforts.

CAMPUS RECREATION

The Office of Campus Recreation organizes and administers a variety of recreational services that are either structured or self-directed and enhance the overall wellness of the university community. The primary goal of the program is to provide for quality recreational experiences within the university environment and direct this toward the individual's physical, cognitive and social life thus enhancing the educational experience. This goal is accomplished by offering a wide variety of recreational activities, conducting educational workshops and providing professional training. The Office of Campus Recreation provides a multi-faceted program which includes: Heart and Sole Fitness programs, Intramural activities, Discover Outdoor programs, sport clubs and special events. Campus Recreation at UNCW takes a "something for everyone" approach.

COUNSELING SERVICES

The Student Development Center provides confidential and group counseling for personal, social, or education concerns, as well as regularly schedules workshops on such topics as personal growth, test anxiety, and stress management. As part of the university substance abuse education and prevention program, the center also provides substance abuse assessment, referral, and treatment for students. The Student Development Center's Disability Services assists in the adaptation of UNCW programs and services to the specific needs of students with disabilities. For additional information, see the section on "STUDENT SUPPORT OFFICES AND SERVICES" elsewhere in this catalogue.

DISCOVER OUTDOOR CENTER

Discover Outdoor Programs, the outdoor adventure component of the Office of Campus Recreation, provides opportunities for the UNCW community to participate in exciting, meaningful, and educational outdoor pursuits. Participants in Discover programs practice and experience leadership skills, trust, communication and teamwork while having an opportunity to gain healthy life long leisure skills. Programs offered through Discover include: The Discover Outdoor Center, adventure trips, the UNCW Challenge "Ropes" Course, outdoor equipment rentals, clinics, and workshops.

FOOD SERVICE

The UNCW Food Service operation is committed to providing quality food products served in clean and comfortable facilities. The program is available to all students, faculty, and staff seven days a week when classes are in session. Wagoner Dining Hall, built in 1989, is a modern 600-seat facility that serves unlimited seconds on every meal. Cash operations include: The Hawk's Nest, located in the University Union; a pizza delivery program; and a convenience store located in Apartment Building M.

Information about commuter student meal plans is available at the Auxiliary Services Office in the Burney Student Support building. Telephone (910) 962-3560.

HONOR SOCIETIES AND AWARDS

Phi Alpha Theta International Honor Society in History

Phi Alpha Theta is an honor society recognizing excellence in the field of history. It was founded at the University of Arkansas on March 14, 1921. The UNCW Chapter was commissioned on March 18, 1992, making it one of nearly 700 chapters throughout the world. Membership requirements are the completion of at least 12 hours of work in history with better than a "B" average and a "B" in two-thirds of the remaining course work. The society publishes the quarterly journal The Historian.

Phi Eta Sigma National Honor Society

Phi Eta Sigma is a national college scholastic honor society for freshmen. A member of the Association of College Honor Societies, it was founded at the University of Illinois on March 22, 1923. The University of North Carolina at Wilmington Chapter of Phi Eta Sigma was chartered on March 17, 1979.

The goal of Phi Eta Sigma is to encourage and reward high scholastic attainment among freshmen. At the close of their first academic year, freshmen are eligible for membership if they have a cumulative grade point average of 3.50 or better with no grade lower than "C" on 30 hours or more course work at UNCW.

The Honor Society of Phi Kappa Phi

Phi Kappa Phi is an honor society recognizing excellence of scholarship in all academic disciplines. A member of the association of College Honor Societies, it was founded at the University of Maine at Orono in 1897 and numbers about 250 chapters nationwide. Chapter Number 222 at the University of North Carolina at Wilmington was chartered on May 1, 1980.

Seniors and second semester juniors are elected to membership based on integrity of character and class standing. The GPAs necessary for election to Phi Kappa Phi for second semester juniors, first semester seniors and second semester seniors are 3.75, 3.69, and 3.60, respectively.

Psi Chi National Honor Society in Psychology

Psi Chi is the national honor society in psychology. It was founded in 1929 in New Haven, Connecticut, to encourage, stimulate and maintain excellence in scholarship, and to advance the science of psychology. Psi Chi is an affiliate of the American Psychological Association and a member of the Association of College Honor Societies. The University of North Carolina at Wilmington Chapter of Psi Chi was chartered on May 1, 1981, and is one of approximately 675 chapters nationwide.

Rho Phi Lambda National Honor Society

Rho Phi Lambda is a national honorary fraternity for parks, recreation and leisure services majors. Eligibility for membership includes junior or senior standing; completion of a minimum

of 59 hours of which 26 hours must be at UNCW in parks/recreation courses. Students must have a 3.00 GPA overall for all courses taken with a 3.20 GPA in the major.

Sigma Delta Pi, National Collegiate Hispanic Honor Society

Sigma Delta Pi is a national collegiate honor society for students of the Spanish language and Hispanic literature and culture. A member of the Association of College Honor Societies, it was established at the University of California, Berkeley, on November 14, 1919. The Rho Lambda Chapter of Sigma Delta Pi was chartered at the University of North Carolina at Wilmington on April 22, 1988.

The primary purpose of Sigma Delta Pi is to encourage and honor those who seek and attain excellence in the study of Hispanic language, literature and culture.

Alumni Association Achievement Award

The Achievement Award is presented by the Alumni Association to the graduating senior who has attained the highest academic average in their graduating class and whose academic work was done exclusively at the University of North Carolina at Wilmington. This award is presented at the December commencement to the student who graduated the previous summer and at the May commencement to the students in the graduating classes of May and of the previous December.

Biological Sciences Achievement Award

This award was established by the faculty of the Department of Biological Sciences to honor annually the graduating senior biology major who has achieved the highest academic standing. The recipient is identified on a permanent plaque in Friday Hall.

William A. Bryan Senior Leadership Award

The Leadership Center with the support of the Alumni Association sponsors the William A. Bryan Senior Leadership Award. The award is given to a senior with a cumulative GPA of 3.00 who has demonstrated outstanding leadership on campus and/or in the community. The award is offered yearly at the May commencement for seniors graduating in May, August, or December of the current year.

Chancellor's Achievement Award

Student's who complete a minimum of 15 semester hours with no grade lower than "A-" qualify for this award.

Hoggard Medal For Achievement

A medal, presented through the generosity of the late Dr. John T. Hoggard, is awarded annually to the graduating senior who, in the opinion of the faculty, has shown the most improvement during his or her years at the university. The medal is presented each year at commencement.

Adrian D. Hurst Award

Established by Adrian D. Hurst, emeritus professor of mathematics, this award recognizes a UNCW junior or senior math major who has achieved the highest overall academic grade point average. The award is presented each spring in the form of a plaque.

The Walter Schmid Physics Award

This award has been established in honor of the late Walter Schmid, engineer and inventor, to reward a senior bachelor of science physics major for excellence in physics. The award consists of an engraved plaque and a physics encyclopedia.

HOUSING AND RESIDENCE LIFE

The Office of Housing and Residence Life is responsible for the development of educational, cultural and social programs to enhance student life on campus. The goal of the Housing and Residence Life program is to create an environment conducive to academic pursuits and the personal growth of resident students. Over 45 Residence Life staff are responsible for the supervision of resident students in the residence halls, on-campus apartments, and suite-style buildings.

The university has residence hall facilities for approximately 1,900 students in five modern, conveniently located residence halls, 13 apartment buildings, and seven suite-style buildings. All rooms are air-conditioned and furnished, and laundry facilities are available. The Residence Life program offers opportunities for student employment and leadership positions through hall governance. Students living on campus are required to participate in the university dining hall program.

HUNDLEY WELLNESS PROMOTION CENTER

The Hundley Wellness Promotion Center is the campus resource for health education programs designed to promote, support and affirm healthy living behaviors among campus community members. Services of the Hundley Wellness Promotion Center focus on assisting students in acquiring and implementing skills needed to enrich their collegiate experience and improve the quality of their lives now and in the future. These services encompass health education programs and alcohol, tobacco, and other drug education. The center offers educational programs and services, training and consultation services, a resource library and a peer education program which addresses a wide range of topics including: wellness, cancer prevention, nutrition, relationships, sexual health, and alcohol and other drug use.

INTERNATIONAL STUDENT ORGANIZATION

The International Student Organization is a support group, a social network, and a promoter of international programs. The group consists of American students who have traveled and studied abroad and international students who are enrolled at the university. The organization hopes to foster an international presence on the campus and to help international students become familiar with American culture, the local area, and university life.

LEADERSHIP CENTER

Since leadership and action in our democracy occur in groups of individuals working toward common goals, the Leadership Center is designed to nurture people who serve in leadership and participant roles. The Leadership Center's ultimate mission is to create a dynamic process that encourages students to improve the quality of life as active citizens during and after the college experience.

The Leadership Center represents an ever-evolving, highly experiential alliance among academic programs, the Division of Student Affairs, and the Wilmington community. The Leadership Center's programs promote self-awareness, leadership development, organizational excellence, appreciation of diversity, and recognition that global issues and concerns are part of a dynamic, interrelated system. Through innovative and collaborative efforts with students, faculty, staff and community leaders, students recognize the proactive roles they can play as leaders by cultivating the strengths within themselves and others.

MEDIA AND PUBLICATIONS

The *Seahawk,* the student newspaper, is published weekly. Its staff is composed entirely of students.

The *Atlantis,* a literary magazine, is published by students each spring.

The *Student Handbook and Code of Student Life* is the primary source of information regarding university regulations and campus life.

WLOZ, the campus cable radio station, is completely run by students. The station broadcasts daily.

MINORITY AFFAIRS

The Office of Minority Affairs is responsible for providing activities, programming, and educational experiences that promote the academic and personal growth and development of minority students. Through the efforts of this office, minority students have additional avenues that lead to inclusion and involvement in the total university community. Additional functions of this office include management of the Upperman African-American Cultural Center and sponsorship or participation in programming such as orientation, Minority Visitation Day, workshops, the Minority Mentor Program, a tutorial referral service and other activities that focus on various ethnic populations.

NATIONAL TESTING PROGRAM

The National Testing Program is a component of the Student Development Center and offers a variety of certification and national exams for entrance into graduate and professional schools. The following list of tests is offered at the center:

Allied Health Professional Admissions Test (AHPAT)
College Level Examination Program (CLEP) successful completion of this test allows exemption for undergraduate courses at CLEP approved Schools.
Graduate Management Exam (GMAT)
Graduate Records Exam (GRE)
Law School Admissions Test (LSAT)
Miller Analogies Test (MAT)
PRAXIS Series (Core Battery, PPST, Specialty Area)

For further information concerning the National Testing Program, call (910) 962-3065.

PERFORMING ENSEMBLES

Membership is open to any student who has had instrumental or vocal experience, with the approval of the director of the particular ensemble.

Concert Choir and Chamber Singers

The University Concert Choir and small ensemble, the Chamber Singers, regularly act as ambassadors for the university and appear on radio and television. The Concert Choir performs at least two on-campus concerts each year and tours during spring break. On occasion, the choir has participated in joint stage productions of opera and musical comedies with the drama program.

Jazz Ensembles

In addition to the Big Band, UNCW has several small groups that play both mainstream and fusion jazz. The Big Band has produced recordings, while the small groups have garnered awards at jazz festivals and have recorded as well. Also, each year the jazz ensembles perform with some of today's top jazz artists during the annual UNCW Guest Artist Jazz Festival.

Wilmington Symphony Orchestra

The orchestra's annual subscription series includes five concerts performed in UNCW's Kenan Auditorium, the principal concert hall in Wilmington. Orchestra members include UNCW students and faculty, as well as musicians from the community.

Wind Ensemble

The Wind Ensemble is organized each semester to provide instrumental music experience for wind players in a large ensemble. This ensemble performs two concerts each year in Kenan Auditorium and tours annually in the spring.

Other instrumental ensembles include the Pep Band, the Brass Ensemble, the Saxophone Ensemble, the Flute Choir, the Guitar Quartet, the Percussion Ensemble and various Chamber Ensembles.

Vocal Ensembles

The University of North Carolina at Wilmington Concert Choir is organized each semester to provide vocal musical experience for those students who desire it. Membership is open to any student in the university, with the approval of the director, and any participant may earn credit. Participation by non-music majors may be supplemented by private lessons, also for credit.

The University Concert Choir and small ensemble, The Chamber Singers, regularly provide music for university functions, appear on radio and television, and act as ambassadors from the university at a wide spectrum of community functions.

The UNCW Concert Choir's yearly activities have included at least two on-campus concerts and an extensive tour during the spring holidays. On occasion, the choir has participated in large, joint stage productions of opera and musical comedies with the drama division.

PHARMACY

The UNCW Pharmacy is located on the second floor in Westside Hall. Students may fill prescriptions from any provider and may purchase a variety of over-the-counter medications. Crutches are also available for rental. The telephone number is (910) 962-3016.

STUDENT GOVERNMENT ASSOCIATION

The core of student life at the university is the Student Government Association. Officers, class senators, and at-large representatives are elected by the student body.

The association is a democratic organization, permitting expression of student opinion, working for the best interest of the university and upholding a high standard of morals and conduct. Student activity fee money supports the Student Government Association in its objectives and activities.

Services such as legal services, recycling, and organization funding are primary components of the comprehensive SGA program. The association is a member of the North Carolina Association of Student Governments.

STUDENT HEALTH CENTER

The Student Health Center complements the academic mission of the university by providing high quality, accessible, cost effective health services that address students' health needs.

Services include the confidential diagnosis and treatment of general and acute medical problems, allergy injections, immunizations, laboratory services, sports medicine clinic, women's health care, contraception services, and preventive services. There is a nominal charge for some of these services over and above the health fee.

The health fee is included in student fees and entitles students taking six or more credit hours to health services. Students taking less than six hours will be entitled to health services upon payment of the health fee.

The Student Health Center does not issue excuses for class absences due to illness.

STUDENT ORGANIZATIONS

Over 130 social, academic, special interest, and service organizations enhance student life at UNCW. National sororities and fraternities are established on the campus to recognize students for their leadership and service activities. Several departments in the university have local and national affiliated groups to stimulate interest in specific areas, recognize academic achievement, and develop professional attitudes. Special-interest groups address a variety of subjects, including political, religious, sports, and professional interests. Students are encouraged to contact the Leadership Center in the Union, Room 212, for specific information relative to any student organization.

UNCW VOLUNTEERS

The UNCW Volunteers, located in the Leadership Center in the University Union, helps students, faculty and staff locate volunteer opportunities in New Hanover County. The emphasis is on learning leadership through serving. Service opportunities include: placement with a community agency, one time "plunge" service projects, alternative Spring Break trips, and international service trips with the Global Volunteers.

UNIVERSITY INFORMATION CENTER

The Information Center, located on the first floor of the University Union, provides a variety of information about campus, student and community activities, as well as campus telephone numbers. The center also provides discount movie ticket sales, concert and event ticket sales, campus lost and found, magazines and newspapers, umbrella check-out, locker rentals, vending machine refunds, change, and after-hours FAX service.

UNIVERSITY POST OFFICE

UNCW Postal Services operates a U.S. Post Office contract station located in the University Center. A variety of mailing services are provided, including postage sales, money orders, mailing supplies, and Express Mail service. In addition to postal services, a FAX service is available for sending and receiving FAX transmissions. All services are available Monday through Friday from 8:30 a.m. to 4:30 p.m. at the post office window and may be purchased using the *UNSea Card.*

Student Mail

Every student enrolled at UNCW is issued a post office box for their personal and university correspondence. **All university correspondence, with the exception of tuition bills and grades, is mailed to this box.** Students are asked to check their boxes regularly as mail is distributed Monday through Friday by 1 p.m.

Post office box combinations are available at the post office window at no charge. Students who need assistance opening mail boxes should contact the post office window staff.

UNIVERSITY READERS THEATRE

The University Readers Theatre provides students with an opportunity to participate in both the performance and technical production of a readers theatre script. Students attend open audition and may take part in the reading, publicity, lighting, set design and managing of the show.

One major production is usually presented each semester. During semesters when the readers theatre course is offered, class members of that course will comprise the University Readers Theatre troupe. Interested students may inquire further at the Fine Arts Department.

UNIVERSITY THEATRE

The University Theatre is a student-oriented theatre dedicated to the continuing development of all theatre practitioners. It strives to produce a total theatrical experience to support the educational, creative, and recreational potential of a campus-based theatre.

Two major productions are presented each semester, with student productions presented on demand. Participation is not limited to dramatic art students, but is open to all university personnel and community residents.

UNIVERSITY UNION/UNIVERSITY CENTER

Student life is enriched at the University of North Carolina at Wilmington by a broad spectrum of activities, most of which occur in or around the University Union and University Center. The union is a 53,000-square-foot facility which houses student organization offices, conference rooms, lounges, study areas, the Hawk's Nest snack bar, rental lockers, the University Information Center, art exhibit space, and an assortment of student services.

Across the street from the union is the 43,000-square-foot University Center, with the U.S. Post Office, automatic teller machines, recreation and games facilities, lounges, the Center Stage Cafe, ballroom, Discover Center, and space for large and small events.

With the guidance of the Union's Office of Campus Activities, students are provided opportunities to plan, execute, attend, and evaluate a wide variety of programs and activities. With the guidance of the Union's Leadership Center, student leaders and their organizations are provided activities which assist them in attaining, refining and using good leadership skills. With the belief that education is not bound to the classroom, it is the union department's goal to educate, entertain and enlighten the university community, while providing a laboratory for student growth and an arena for development of cultural, social, recreational and leadership awareness.

THE *UNSea Card*

The ***UNSea Card*** is your UNCW student ID and your official form of identification on campus. It allows you the use of campus facilities, and provides you with ***S***afe ***e***asy ***a***ccess to university services. The ***UNSea Account*** is the debit account feature of your ***UNSea Card.*** With your prepaid funds, you can make purchases at all food service locations, bookstore, vending machines, student copiers, the copy center, health center and pharmacy, laundry machines and UNCW postal services. There is no minimum deposit or a fee for the use of this account. Deposits can be made at the Auxiliary Services office, Randall Library and the Seahawk Station in Apt. M. For more information, visit the Auxiliary Services office in the Burney Support Services Building.

Student Support Offices and Services

STUDENT SUPPORT OFFICES AND SERVICES

STUDENT AFFAIRS SUPPORT SERVICES

The central purposes of the Division of Student Affairs are facilitating student development and offering educational programs and services that stimulate the learning process. As a partner in the educational mission of the university, the Student Affairs professional promotes an environment conducive to growth and discovery. The Division of Student Affairs supports and complements the academic program through its commitment to the total development of students by contributing to their physical, occupational, social/environmental, intellectual, spiritual, and emotional growth. For additional information, see the section on "STUDENT LIFE" elsewhere in this catalogue.

CAREER SERVICES

The central purpose of Career Services is to help students prepare for academic and career success. The center assists freshmen and sophomores with self-assessment, values clarification and occupational data to help them make informed choices of academic majors. Career Services also provides opportunities for experiential learning and discovering the relationship of skills acquired to the broader work world. Career Services helps graduating seniors translate their academic achievements, co-curricular activities and work experiences into successful job campaigns or graduate school applications. For more information, visit Career Services on the internet at: www.uncwil.edu/stuaff/career.

DISABILITY SERVICES

The Disability Services of the Student Development Center assists in providing academic accommodations appropriate to the specific needs of students with disabilities. Areas of assistance include tutoring, extended time testing, note-takers, taped texts, and registration assistance. Students needing accommodations should return the Disability Disclosure form (from the Admissions acceptance packet) to Disability Services at Westside Hall as soon as possible in order to provide ample planning time. The Disability Services office is available for consultation and advocacy.

MINORITY AFFAIRS

The Office of Minority Affairs provides a tutorial referral service and educational experiences that foster the inclusion of various ethnic populations on campus into the total university community. For additional information, see the section on "STUDENT LIFE" elsewhere in this catalogue.

STUDENT DEVELOPMENT CENTER

The Student Development Center administers the national testing program, including the GRE, GMAT, NTE, MAT, CLEP, and LSAT. It also schedules workshops on learning-related concerns and supervises the Disabled Student Services (above) and the Hundley Wellness Promotion Center. For additional information, see the section on "STUDENT LIFE" elsewhere in this catalogue.

STUDENT HEALTH CENTER

For a description of the services provided by this center, see the section on "STUDENT LIFE" elsewhere in this catalogue.

STUDENT ACADEMIC SUPPORT PROGRAMS

The University of North Carolina at Wilmington is committed to helping students achieve academic success. Student Academic Support Programs (SASP) is responsible for many of the programs and services that help students make a smooth transition to the many challenges of the academic world. Included in SASP are the Center for Academic Advising, The Learning Center, Minority Student Retention and Academic Enrichment, Athletic Academic Support, and coordination of University Studies courses.

CENTER FOR ACADEMIC ADVISING

The Center for Academic Advising (CAA) serves as the academic home for students during their first and possibly second year of study at the university. The center is staffed full time with professional advisors and faculty members who represent the College of Arts and Sciences, Watson School of Education, School of Nursing, and the Cameron School of Business. The CAA advisors provide the students personal guidance and encouragement in selecting courses, maintaining required scholastic standards, and planning a complete educational program. Advisors also assist with the registration process and promote a timely plan toward graduation. The CAA encourages students to undertake a rigorous academic load and provides a four-year/eight-semester plan for each major offered by the university. The Center for Academic Advising works with other offices to coordinate support for all students including minority students and student athletes.

The advising process begins with summer or fall orientation and continues for two semesters of pre-registration activity or until a major is declared. Students are encouraged to work closely with their advisors who monitor drop/add, mid-semester progress, and end-of-semester grades. Students are ultimately responsible for their academic progress and performance; however, the CAA seeks to ensure that every student makes a successful transition to academic life. As part of this goal, the CAA promotes the Freshman Seminar and Learning Center to improve college-level study skills, time management, awareness of university resources, and other aspects of college life.

Several intervention programs are also offered. The Successful Educational Achievement Plan, or S.E.A.-PLAN, is designed for students placed on academic warning after the fall semester. Individual meetings with advising staff focus on the development of a contract to assist the students in meeting required academic standards. Referrals to appropriate offices for academic assistance and follow-up meetings to discuss grade reports with advisors are all part of the plan. A similar summer program is provided to aid those students who are academically ineligible.

THE LEARNING CENTER

The Learning Center is available to all UNCW students who wish to improve their ability to study more systematically and efficiently and to excel academically. The center has four programs: Tutorial Assistance, the Writing/Reading Place, the Math Lab, and Supplemental Instruction.

Tutorial Assistance

Tutorial assistance is available in all courses; however, it is not provided as a substitute for class requirements or poor class attendance. Tutoring sessions focus on the acquisition of systematic study skills as well as effective mastery of course content. Learning Center tutors are carefully selected for their expertise in particular subject areas and receive training to enhance their tutoring skills. Since the Learning Center is committed to continuous communication between instructors and tutors, it employs only tutors who are recommended by faculty members in the appropriate disciplines. Students typically agree to meet with tutors on a regular basis early in the semester and work toward eventual self-directed independence from tutoring.

The Writing/Reading Place

The major goal of the Writing/Reading Place is to help students develop or improve their writing skills in all courses. Our consultants want students to understand that there are various approaches to writing assignments, and that the composing process is recursive and is based on a series of options that the writer controls. The Writing/Reading Place helps students mature as writers and encourages them to become self-sufficient. The consultants show students how to handle the challenges of writing, proofreading, and editing their papers. Periodic help sessions on style, technical control, and documentation are scheduled throughout each semester.

The Writing/Reading Place also presents effective approaches to reading for increased comprehension and retention of academic text material as well as thinking critically about the material read. Consultants present critical reading and study skills techniques during individual conferences. This approach encourages students to read actively and think critically. Students may also avail themselves of an extensive library of self-paced reading and study skill development materials. Periodic workshops are scheduled in the following areas: time management, critical reading approaches, note taking, textbook study strategies, memory improvement, and preparation for objective and essay tests.

The Math Lab

The purpose of The Math Lab is to help students make the transition from high school-level mathematics courses to college-level mathematics courses. Students may receive help with note-taking skills, how to approach math assignments, problem-solving techniques, summary techniques and studying for math exams as well as assistance with solving specific problems. Math Lab consultants do not work homework problems for students, but rather show them how they can learn to approach and solve problems on their own. The Math Lab staff strives to help students become independent thinkers and learners; students are encouraged to form study groups with others enrolled in the same course. Students should check The Math Lab bulletin board for announcements about workshops on learning/study skills, specific course review sessions, and new materials and software. Other services and resources include diagnostic and placement testing, mathematics computer software and videotapes to support various courses, and reference textbooks. Students can use The Math Lab on a drop-in basis or may schedule an appointment for more individualized assistance.

Supplemental Instruction

The Supplemental Instruction (SI) program brings emphasis on learning/study skills into the classroom. SI targets high-risk courses and integrates how-to-learn with what-to-learn. Informal SI meetings are out-of-class, peer-facilitated sessions during which student groups learn to integrate course content with reasoning skills. Three to five one-hour sessions each week are typically conducted by trained SI leaders who have been recommended by faculty members. The SI leader attends all classes, does all assignments, and conducts the SI sessions to help students perform better in the course. Available SI classes are announced during pre-registration periods and at the beginning of each semester. All SI sessions start the first week of classes and follow a regular schedule each week throughout the semester. Attendance is voluntary, but students are encouraged to attend regularly throughout the entire semester. SI is designed to help improve student performance through regular attendance at SI sessions, not by attending one session before a test or quiz.

National data show that students who participate in SI sessions earn one-half to one letter grade higher than students who do not attend SI sessions and withdraw less often than non-SI participants.

MINORITY STUDENT ACHIEVEMENT AND ACADEMIC ENRICHMENT

The Minority Student Achievement and Academic Enrichment Program is designed to be an integral part of a student's educational program. The purpose of the program is to improve

the matriculation, retention, and graduation rates of students of color. A primary focus of the program is to equip students with the tools necessary for good problem solving, personal development, and other areas crucial to college success. Academic services are developed, implemented, and coordinated to foster a favorable institutional climate. The program seeks to enrich and expand classroom learning by enabling students to gain better understanding of themselves and the university. The ultimate goal of the program is to help students acquire a broad vision, recognize and cope with complex social problems, and appreciate achievement in a diverse society.

ATHLETIC ACADEMIC SUPPORT

The Athletic Academic Support office seeks to help student athletes successfully balance the sometimes conflicting demands of academic and athletic responsibilities. It is recognized that a student athlete can benefit from a variety of services designed to promote timely progress toward graduation. This office, in conjunction with other campus offices, helps students to meet their individual academic and social needs.

After the admissions process is completed, the office of Athletic Academic Support assists students with registering, selecting a major field of study, applying for academic scholarships, and arranging tutorial assistance, and monitors degree progress, grades, and class attendance. Once a student has declared a major, the office continues to monitor academic progress in conjunction with the student's faculty advisor.

Central to the role of this office is maintaining a strong working relationship with the university's Athletic Department and the individual coaches. The staff is knowledgeable about NCAA academic rules that apply to eligibility for practice and competition and is responsible for abiding by NCAA, CAA and institutional regulations (see following section). In addition, this office is available for consultation when unusual or difficult academic rule interpretations are needed. Additionally, the staff plays a key role in the athletic/academic certification process for all student athletes.

Athletic Academic Eligibility Requirements

The Academic Athletic Support program helps to monitor the academic progress of each student athlete as it relates to NCAA, CAA and institutional rules and regulations. The following are examples of rules applying to a student's academic progress:

- Students must be enrolled in no fewer than 12 semester hours (full-time) during the fall and spring semesters to be eligible for practice, competition and financial aid
- Students must earn or average no fewer than 24 applicable semester hours during a calendar year, of which 18 must be during the academic year
- Before the beginning of the third year (fifth semester) of enrollment, each student must designate or declare a major field of study and make satisfactory progress toward that degree
- Students must meet UNCW and NCAA minimum cumulative grade point averages in order to compete
- In order to determine athletic eligibility, all freshman students must be approved through the NCAA Initial-Eligibility Clearinghouse

A number of other policies affect a student athlete's participation in a sport. Additional information can be found in the *Student Athlete Handbook.*

UNIVERSITY STUDIES

University Studies courses are graded, credit-bearing courses offered through Student Academic Support Programs and taught by selected faculty and staff members. All courses are designed to assist students in making a successful adjustment to their new academic environment and to build a strong foundation for their success in other courses. For a listing of these courses, see "University Studies" in the "COURSE DESCRIPTIONS" section of this catalogue.

Academic Programs

ACADEMIC PROGRAMS

The University of North Carolina at Wilmington offers four-year programs leading to the Bachelor of Arts, Bachelor of Music, the Bachelor of Science, and the Bachelor of Social Work degrees. Graduate programs lead to the Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of Fine Arts in Creative Writing, Master of School Administration, Master of Science, and Master of Science in Accountancy degrees. Professional undergraduate programs include those offered in the Cameron School of Business, the Watson School of Education, the School of Nursing and the Medical Technology program in the College of Arts and Sciences. Pre-professional programs are offered in agriculture and forestry, allied health, health-related careers, dentistry, law, medicine, optometry, pharmacy, physical therapy, podiatry and veterinary medicine. The university offers special programs in marine sciences and environmental studies and a 2+2 program in engineering, as well as a number of opportunities for students to enrich their course of study throughout their academic careers as undergraduates.

BASIC STUDIES REQUIREMENTS

Basic Studies at the University of North Carolina at Wilmington is defined as the acquisition of essential skills and an introduction to the broad spectrum of studies which are basic to our intellectual and cultural heritage. The program is designed to develop skills in comprehension, composition, reasoning and analysis; to introduce students to the structure, methodology and knowledge of academic disciplines; and to address important human concerns from disciplinary or interdisciplinary perspectives.

To qualify for the bachelor's degree from the University of North Carolina at Wilmington, all students must acquire a total of 45 semester hours less exemptions.

A. Composition (6 hours)
Required: ENG 101-102, or 103

B. Physical Education (2 hours)
Required: PED 101

C. Humanities (12-18 hours)
Required: A minimum of 12 and a maximum of 18 hours elected from the following four categories with a minimum of three hours in each category.

1. Literature (3-9 hours)
   ENG 110, 209 (CLA 209), 210 (CLA 210), 211, 212, 219, 223, 224, 225, 226, 230, 232, 233, 250, 290
   CLA 209 (ENG 209), 210 (ENG 210)
   FRH 209, 321, 322
   GER 209
   SPN 209, 210, 321, 322
2. History (3-9 hours)
   HST 101, 102, 103, 201, 202, 237, 261, 273, 275
3. Philosophy (3-9 hours)
   P&R 101, 103, 115, 125, 201, 202, 205, 215* or 216* or 217*, 230, 232, 235, 236, 238, 240, 242
   * Basic studies credit from P&R 215, 216 and 217 may not exceed three semester hours.
4. Language (3-9 hours, of which at least three must be in a foreign language)
   FRH 101, 102, 120, 201, 202
   GER 101, 102, 120, 201, 202, 305
   ITN 101, 102

JPN 101, 102
LAT 101, 102, 201, 202
PRT 101, 102, 201, 202
SPN 101, 102, 103, 104, 120, 201, 202, 203, 305
COM 110
P&R 110

D. Fine Arts (3-9 hours)

Required: A minimum of three and a maximum of nine hours elected from the following, with no more than six hours from any one discipline.
ART 201, 202, 203
COM 116
FNA 110, 112
THR 221, 225
MUS 184*, 185*, 186*, 187*, 105, 115, 116, 117, 118, 119
*Basic studies credit from MUS 184, 185, 186, and 187 may not exceed a total of three semester hours.

E. Natural Sciences and Mathematical Sciences (10-15 hours)

Required: A minimum of 10 and a maximum of 15 hours from the two areas of natural sciences and mathematics as described below.

1. Natural Sciences (7-12 hours)
   Required: A minimum of seven and a maximum of 12 hours, including at least one laboratory science course and a minimum of three hours each in the life and physical sciences. Courses that satisfy the laboratory science requirement (when taken with the appropriate laboratory section) are starred below.
   a. Life Science courses
      ANT 210
      BIO 105*, 110*, 205*, 206*, 235, 236, 237, 238, 240*, 241*
      GLY 135
      PED 216*, 217
   b. Physical Science courses
      CHM 101*, 102*, 103*, 215*
      GGY 130*, 230
      GLY 101*, 102*, 120, 150
      PHY 101*, 102*, 103, 105*, 201*, 202*, 260
2. Mathematical Sciences (3-8 hours)
   Required: One of the following courses:
   MAT 101, 111, 112, 115, 141, 151, 161
   Additional credit may be earned by electing from the following list:
   CSC 105, 111, 112, 121
   MAT 102, 112, 142, 151, 152, 161, 162, 275
   P&R 218
   STT 205, 210, 215, 262
   Basic studies credit from CSC 111, 112, and 121 may not exceed three semester hours; basic studies credit from STT 205, 210, and 215 may not exceed three semester hours.

F. Social and Behavioral Sciences (3-9 hours)

Required: A minimum of three and a maximum of nine hours elected from the following, with no more than six hours from any one discipline.
ANT 105, 205 (SOC 205), 206, 207
CRJ 105
ECN 125, 221, 222

GGY 140, 180, 181, 210
PLS 101, 111, 202, 206, 207
PSY 105, 145, 220, 223
SWK 235
SOC 105, 110, 205 (ANT 205), 215, 220

G. Interdisciplinary Perspectives (0-6 hours)
There is no minimum requirement in this category. A maximum of six hours may be elected from the following:
HON 110
HON 210
SHS 110

Restrictions on Courses from Individual Disciplines

1. A maximum of nine credit hours from any academic discipline (as defined by the three-letter course code), excluding ENG 101,102, and 103, can count toward the 45 hours of Basic Studies.
2. No more than two specific Basic Studies requirements (as indicated by letter or letter-number code in the above structure), excluding ENG 101, 102, and 103, can be met by courses in one academic discipline (as defined by the three-letter course code).

Waiver of Requirements

English: Students who have not qualified for advanced placement but who because of special circumstances may have writing competencies equal or superior to those required in ENG 101, 102, or 103 may present evidence of these writing competencies to the chairperson of the Department of English and request a waiver. At the chair's discretion either or both requirements may be waived. This waiver does not grant academic credit.

Mathematics: Students who have not qualified for advanced placement but who may have competencies equal or superior to those required for successful completion of MAT 151 or 161 may, at the discretion of the chairperson of the Department of Mathematical Sciences, take a waiver examination for either of these courses. An acceptable score on this exam waives the requirement that one of the introductory mathematics courses be taken. This waiver does not grant academic credit.

REQUIRED ORAL COMMUNICATION COMPETENCY

The university requires all students to develop competency in oral communication prior to graduation. Students in each major must satisfy the requirement of oral communication competency as specified by that major.

Currently approved as oral communication intensive courses are: ART 495, BIO 495, CHM 495, COM 110, CRJ 110, CSC 495, ECN 495, ENG 495/496, EVS 495, FRH 301, GGY 495, GLY 495, HST 290, MAT 346, MAT 471, MAT 495, MGT 455, MUS 495, NSG 215, PED 235, PHY 495, PLS 495, P&R 400, PSY 405, REC 270, SOC 490, SPN 305, THR 495.

REQUIRED PHYSICAL EDUCATION

Through participation in the required physical education program, students should expect to develop an understanding of the role of life-long physical activity in enhancing the quality of one's life.

The university requires all students to complete with a passing grade PED 101, Foundations of Physical Activity. Transfer students who have not had an equivalent course must also complete this requirement. Students with disabilities are encouraged to participate to the fullest extent possible in physical education activities and are encouraged to consult with the chair-

person of the Department of Health, Physical Education, and Recreation concerning participation in these activities.

The university requires all students to provide a current physical (within two years if less than 35 years of age, and within one year if over 35 years of age) and information regarding their current health status on the Report of Medical History form available through the Admissions Office. Completion of this requirement is a prerequisite to:

1) enrollment in any physical education activity course,
2) participation in any physical education activity course,
3) utilization of the physical education facilities for recreational purposes.

Based on the information contained in this report, the student will be assigned to one of three categories listed below:

A. Unrestricted participation
B. Restricted participation
C. Temporarily restricted participation because of an injury or illness

ENRICHMENT COURSES AND PROGRAMS

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

DIRECTED INDIVIDUAL STUDY

This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (ordinarily, instructors will not supervise more than six student credit hours of Directed Individual Study per semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements, not more than three of which can be outside the student's major.

FAST TRACK PROGRAM

The Fast Track program is designed to enable a student to graduate from UNCW in three years, including summer sessions. All of the courses (or approved course substitutions) that are on a predetermined schedule appropriate to the selected Fast Track degree program are guaranteed to be available to students admitted to this program. Information about the degree programs available on the Fast Track and the procedure for admission to the program may be obtained from the Office of Admissions.

All new freshmen and other students whose degree completion requirements fit the program are eligible to apply for admission.

FIELD EXPERIENCES

Several departments within the College of Arts and Sciences and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

GRADUATE COURSES

Seniors at UNCW with at least a "B" average in the major who need 15 or fewer hours to complete the requirements for the bachelor's degree may take one or two graduate courses for the purpose of later receiving graduate credit, provided that they are not enrolled for more than a total of 15 hours. To do this, the student must (1) obtain permission in advance from his or her department chair or school dean, as appropriate, and (2) present it to the Graduate School for approval. Permission forms may be obtained in the Graduate School. Graduate courses taken under this provision may not be used to fulfill baccalaureate degree requirements.

Course descriptions and prerequisites are listed in the Graduate Catalogue.

HONORS SCHOLARS PROGRAM

Diane E. Levy, *director*

Patricia A. Turrisi, *associate director*

The Honors Scholars Program at the University of North Carolina at Wilmington provides academically talented students with innovative and unique educational experiences. The program seeks to encourage curiosity, critical thinking, and independent work skills by offering exciting academic and cultural activities as well as the opportunity for close working and social relationships with the faculty.

Admissions to Honors

Check with the Honors director for specific requirements at each level. Multiple points of entry into the Honors Program are possible:

- As entering freshman (by invitation of the Honors Program)
- As sophomores (based on high academic achievement in freshman year, including transfer students)
- As juniors/seniors in Departmental Honors (including transfer students)

Program Requirements for Graduation with University Honors

To graduate with University Honors, a student must:

(1) complete at least 12 credit hours of basic studies courses honors sections*
(2) complete six credits of "Interdisciplinary Honors Seminars" (HON 110 in fall of freshman year; HON 210 in fall of sophomore year)
(3) complete two credits of "Honors Enrichment Seminar" (HON 120)*
(4) maintain academic eligibility: at the completion of 27 credit-hours at UNCW, an overall grade point average of 3.00 or better in all coursework is required. An overall grade point average of 3.20 or better must be established by the completion of 58 credit-hours and maintained thereafter.
(5) complete requirements for Departmental Honors (see below)

*Note: students entering as sophomores complete HON 210, one credit hour of HON 120, and at least six hours of honors basic studies.

Honors Courses

These courses are restricted to students formally enrolled in the Honors Scholars Program or others admitted by permission of the honors director.

Honors sections of basic studies courses: Each semester several honors sections of basic studies courses will be offered on a rotating basis. These sections are usually restricted to 20 students to allow for enhanced student-faculty interaction and discussion.

Honors Seminars: Three kinds of honors interdisciplinary seminars are offered each year. The first is a team-taught, three-hour course designed to introduce all freshman honors students to the college experience by direct involvement in research, service, and leadership activities. This course may not be repeated for additional credit. The second course is a one-hour, team-taught enrichment seminar that requires student attendance at or participation in a variety of campus visual/performing/cultural events and lectures. This course may be elected by honors students at any level and may be repeated for a maximum of two semester hours. The third is a three-hour, team-taught, interdisciplinary seminar that offers an in-depth investigation of a special topic using the approaches of several disciplines. For a listing of these seminars, see the COURSE DESCRIPTIONS section of this catalogue.

Departmental Honors

Upperclassmen who qualify as candidates for Departmental Honors must perform outstanding scholarly work appropriate to the academic standards of the student's major in the form of a six-credit Departmental Honors project. A student who fulfills requirements for Departmental Honors will be acknowledged as having done so upon graduation.

A student who previously has not participated in the honors program may qualify as a candidate for Departmental Honors based on the student's grade-point average. Students with at least 74 semester hours credit who have a grade point average of 3.20 or better on all college work attempted, who have completed at least 30 semester hours of work with a 3.20 or better

grade point average at UNCW, and who are recommended by the major department chair (or dean where appropriate) are eligible to enroll in coursework with a 499 designation which indicates the senior project in that discipline. Academic departments may require a higher grade point average for eligibility for Departmental Honors in their discipline.

Departments in each discipline determine appropriate preparatory academic experiences for Departmental Honors in that field. Candidates for Departmental Honors may fulfill preparations for senior capstone work beginning in the junior year through one or more of the following:

(1) Directed Individual Study (DIS) courses which lay the groundwork for more advanced projects
(2) Departmental or interdisciplinary seminars and/or internships which encourage independent work in a variety of ways such as performance, research, service
(3) Study Abroad and/or National Student Exchange
(4) A one-credit enrichment course in the general field of the major (such as "Natural Science," "Humanities," "Education," Health Sciences," etc.)
(5) Honors components of regular department courses: "Enhanced" courses at the 300 or 400 level in which an honors student and his or her instructor enter into a contract which stipulates enhanced academic responsibilities for the student, such as presentations or papers. Successful performance in such classes would be identified by an "Honors" label on the course as it appears in the student's transcript.

The Departmental Honors project culminates in independent study under the supervision of a faculty member in the student's major field. This independent study should be completed in two three-credit hour semesters or three two-hour semesters. The results of the honors work are summarized in a paper and presented orally before an examining committee.

Co-Curricular Activities

Students will be offered opportunities and incentives to participate in co-curricular activities such as field trips, campus events, study abroad and community events.

Honors Residence

Students are encouraged to reside in a designated honors residence with special facilities and a computer lab. A senior honors student mentor will live in the residence to assist honors students with activities, programming, and adjustment to university life.

INTERNATIONAL PROGRAMS

James P. McNab, *director*
Aida Toplin, *assistant director*
Heather S. Smith, *international programs coordinator*

The Office of International Programs was established at the University of North Carolina at Wilmington to represent its commitment to international education. The office has responsibility for faculty and student exchange programs and other international activities at the university. Its goal is to expand and strengthen international ties among individuals, units, and programs on campus and to encourage the exchange and flow of ideas and information so crucial for the development of global knowledge and awareness. UNCW is a member of the International Student Exchange Program (ISEP). ISEP offers exchange possibilities for UNCW students in over 100 universities abroad. Additionally, UNCW offers exchange and study abroad opportunities for students in Australia, Barbados, Brazil, Chile, Ecuador, France, Great Britain, Japan, Jordan, Korea, Sweden and Thailand. Summer study abroad opportunities are also available to UNCW students in a variety of locations. Faculty and staff exchange possibilities are available in Barbados, Brazil, Chile, Ecuador, Great Britain, Jordan, Korea, and Spain. Further information can be obtained by contacting the director of International Programs.

Academic departments at the university may offer special international study courses during the regular semesters or summer sessions without adding them to their permanent curricula. Each course must be approved by the appropriate dean. These courses will include regular classroom assignments, lectures and discussions, travel and field work, and visits to historic and cultural sites. Study will take place outside the United States, usually in association with local universities abroad. Numbers designating these courses are 294 and 494.

Students who want a study abroad exchange experience with a university with which UNCW has such an agreement must sign up for INT 294 or 494 for 12 credit hours. Students must enroll in this course during the preregistration or registration period prior to the semester abroad and pay tuition and fees to UNCW at the full-time rate. UNCW students who study abroad retain their active UNCW student status and will not have to reenroll upon return.

INTERNSHIPS

Several departments in the College of Arts and Sciences and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and department offering the internship is required to enroll, and limits are placed by the department on the number of credit hours earned in this manner which may be applied toward graduation. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

NATIONAL STUDENT EXCHANGE (NSE)

Students can participate in this exciting and challenging program that provides an opportunity to attend (for one year or one semester) another NSE network university. At little or no more cost to students than they are now paying, NSE is an opportunity to experience new places, ideas and cultures while attending a school that complements and supplements our course offerings, as it becomes one of the "satellite campuses" of UNCW. Campus coordination is provided by the Office of Housing and Residence Life.

SUMMER SCHOOL

Summer School constitutes an integral part of the university's year-round program. The principal academic terms of summer are two five-week sessions and a four-week intersession. A variety of courses is offered for students who wish to accelerate their progress toward graduation, to supplement the academic load carried during the regular terms, or to remove grade deficiencies. In addition, courses are offered for K-12 school teachers to renew or change fields of certification. During the summer sessions, students from other colleges and universities may be admitted as visitors by using the "Visiting Student" application. Credit hours earned during the summer are excluded from the twenty-five percent (25%) tuition surcharge imposed on students who take more than 140 degree credit hours to complete a baccalaureate degree in a four-year program. Further information concerning the summer sessions may be obtained by contacting the director of summer school.

UNIVERSITY STUDIES

University Studies courses are designed to assist freshmen and other students new to UNCW in their transition to university life and learning. The courses offer elective credits and are taught by faculty and staff selected from across the university. Among the topics addressed in University Studies are study skills, time-management techniques, goal-setting for college and careers, and use of the library and electronic information resources. For a listing of these courses, see "University Studies" in the COURSE DESCRIPTIONS section of this catalogue.

DEGREE PROGRAMS AND REQUIREMENTS

UNDERGRADUATE DEGREES OFFERED

Majors for the Bachelor of Arts Degree

Anthropology
Art
Biology
Chemistry
Communication Studies
Criminal Justice
Economics
Education of Young Children
Elementary Education
English
Environmental Studies
French
Geography
Geology
History
Mathematics
Middle Grades Education
Music
Parks and Recreation Management
Philosophy and Religion
Physical Education
Physics
Political Science
Psychology
Sociology
Spanish
Special Education
Theatre

Majors for the Bachelor of Music Degree

Music Education

Majors for the Bachelor of Science Degree

Accountancy
Biology
Business Management
Business Systems
Chemistry
Clinical Laboratory Science
Computer Science
Economics
Environmental Studies
Finance
Geology
Marine Biology
Marketing
Mathematics
Nursing
Physics

Major for the Bachelor of Social Work

Social Work

MINORS

A student may elect a minor in any academic discipline listed below. The student must meet with the department chairperson or coordinator to define the requirements to complete the minor. Declaration of a minor is done in the Registrar's Office. Minors will be awarded at the same time as the baccalaureate degree. Upon completion of requirements and attainment of a degree, the minor will be posted on the student's academic transcript.

MINORS

African-American Studies
American Studies
Anthropology
Art
Chemistry
Classical Studies
Latin American Studies
Leadership Studies
Mathematics
Music
Native American Studies
Parks & Recreation

Computer Science
English
European Studies
French
Geography
Geology
Gerontology
German
History
Jazz Studies
Philosophy
Physics
Political Science
Religion
Science, Humanities and Society
Sociology
Spanish
Statistics
Theatre
Women's Studies

GRADUATE DEGREES OFFERED

The Master of Arts Degree

English
History
Mathematics
Psychology

The Master of Arts in Teaching Degree

English
History
Mathematics
Science

The Master of Business Administration Degree

The Master of Education Degree

Curriculum/Instruction Supervision
Elementary Education
Middle Grades Education
Reading Education
Special Education

The Master of Fine Arts in Creative Writing Degree

English

The Master of School Administration Degree

The Master of Science Degree

Biology
Chemistry
Geology
Marine Biology
Mathematics

The Master of Science in Accountancy Degree

ADMISSION TO DEGREE PROGRAMS

New and reenrolling freshmen, unclassified and special admission students, and other students who have not yet been accepted into a degree program are assigned to Student Academic Support Programs (SASP) for academic support. Each of these students is assigned an advisor who assists the student in selecting courses to fulfill basic studies requirements, maintaining the required academic standards, and choosing a major. All SASP advisors emphasize the importance of undertaking a rigorous academic load consisting of 15-16 credit hours each semester in order to complete all requirements for graduation within four years and can provide model four-year graduation plans for all majors offered by the university.

Admission to the College of Arts & Sciences

Students wishing to declare a major within the College of Arts & Sciences will request to have their records transferred to the appropriate department no earlier than the end of the second semester of the freshman year and no later than the end of the sophomore year. See departmental requirements for any prerequisites to declaring a major.

Admission to the Professional Schools

Students wishing to declare a major within a professional school will request to have their records transferred to the appropriate school no earlier than the end of the second semester of their freshman year and no later than the end of the sophomore year. These students will then be assigned to that school for pre-professional advising.

Students seeking admission to the Cameron School of Business or the Watson School of Education normally submit their applications to the appropriate school immediately upon completion of the third semester of study, provided the minimal requirements as stated in the university catalogue have been met at the time of application.

Students seeking admission to the School of Nursing must submit applications to the Office of the Dean, School of Nursing. Application forms and deadline dates are available from the School of Nursing.

I. Requirements for Admission to the Cameron School of Business

1. Each applicant for admission must have completed a minimum of 44 semester hours with a cumulative grade point average (GPA) of 2.20 or better (4.00 scale).
2. Bachelor of Science:
   The following courses are required for admission to the Cameron School of Business:
   Must be completed:

ENG 101-102, or 103	College Writing and Reading I and II, or III
MAT 111 or 115	College Algebra or Precalculus
ACG 201	Financial Accounting
ECN 221	Principles of Economics-Micro

   Must be completed or enrolled:

ACG 203	Managerial Accounting
ECN 222	Principles of Economics-Macro
PDS 217	Statistical Analysis for Business
MAT 151 or 161	Basic Calculus w/Applications I or Calculus with Analytic Geometry

   Bachelor of Arts:
   Same as above except that students studying for the bachelor of arts degree are not required to complete ACG 201 or ACG 203, and may substitute STT 205 for PDS 217.
3. Students may not enroll in restricted courses nor enroll in more that 15 semester hours with the school beyond preadmission courses without being formally admitted to the school. A list of restricted courses is available in the Cameron School's Degree Program Office.

II. Requirements for Admission to the Watson School of Education and the Teacher Education Program

1. Completion of the university requirements in English, mathematics, and a science laboratory course with a grade of "C" or better in each course.
2. Completion of EDN 200, "Teacher, School and Society", with a grade of "C" or better.
3. Completion of four semesters or two academic years of full-time college study, or completion of required Basic Studies program. A minimum overall grade point average of

2.50 on a 4.00 scale on work attempted at UNCW is required. Transfer students must earn a 2.50 on a minimum of 12 hours completed at UNCW.

4. Passing scores on teacher education entry tests specified and mandated by the Board of Education of the state of North Carolina.

NOTE: Students may not enroll in EDN 300- or 400-level courses until they are admitted to the Watson School of Education.

III. Requirements for Admission to the School of Nursing-Bachelor of Science Degree Program Admission Criteria

1. A 2.50 total GPA is required for evaluation of a student's transcript by the School of Nursing. Each student's total GPA, including the fall semester/quarter grades of application year, is calculated on all transferable college courses attempted at all accredited institutions of higher education according to the guidelines in use by the UNCW Admissions Office.
2. Successful completion of all prerequisites prior to Summer Session I of the year of admission, as per the university calendar as follows:
   a. A minimum of 39 hours of Basic Studies completed prior to admission.
   b. Minimum grade of "C-" in the following courses and their accompanying labs: CHM 101, CHM 215; BIO 240, BIO 241, BIO 246; MAT 111. (A "C-" is a 1.67 GPA in each course on a 4.00 scale)
   c. Successful completion of each of the following courses or their equivalent: ENG 101 and ENG 102, or ENG 103; PED 101; PSY 105, PSY, 223; SOC 105, SOC 345; NSG 215.
3. Evidence of high school graduation or a GED certification that would meet the university's minimum admission requirements.
4. Physical, mental, and emotional health that enables a student to participate in and complete the program.

In addition to the minimum criteria the following will also be considered:

1. Students with a prior baccalaureate degree from a regionally accredited institution.
2. Students with backgrounds in keeping with the university's commitment to a diverse student body.
3. Students' GPA on courses prerequisite to nursing. (See Admission Criterion #2, a, b, c)

Admission Requirements-RN Access Program

1. Admission to the university
2. A current license to practice as a registered nurse in North Carolina.
3. A 2.50 total GPA is required for evaluation of a student's transcript by the School of Nursing. Each student's total GPA, including the fall semester/quarter grades of application year, is calculated on all transferable college courses attempted at all accredited institutions of higher education according to the guidelines in use by the UNCW Admissions Office.
4. Physical, mental, and emotional health that enables a student to participate in and complete the program.

DEGREE REQUIREMENTS

COLLEGE OF ARTS AND SCIENCES

Jo Ann Seiple, *dean*
Rudi H. Kiefer, *associate dean*
Stephen J. Pullum, *associate dean*

The College of Arts and Sciences offers a variety of programs in the liberal arts leading to the Bachelor of Arts, Bachelor of Music, Bachelor of Science, Bachelor of Social Work, Master of Arts, Master of Fine Arts in Creative Writing, and Master of Science Degrees. To implement these programs, the college provides instruction, research, and creative opportunities in the fine arts and humanities as well as in the natural, physical, and social sciences. The 15 academic departments in the college provide courses of study in each of these areas, in addition to interdepartmental programs in African-American studies; American studies; classical studies; environmental studies; European studies; gerontology; Latin American studies; leadership studies; Native American studies; science, the humanities and society; and women studies. A professional program in medical technology; pre-professional programs in agriculture and forestry, allied health, health-related careers, dentistry, law, medicine, optometry, pharmacy, physical therapy, podiatry and veterinary medicine, and a 2+2 program in engineering are also offered in the college.

Degree requirements for all undergraduate majors and minors available in the College of Arts and Sciences are listed below. Requirements for the graduate degrees are listed in the Graduate School Catalogue, while those for professional, pre-professional, and special programs are listed in those sections of this catalogue. See the index below for the beginning page number of the specific degree requirements and course descriptions. Please note that all internship courses (498 designation) offered by departments within the college have a prerequisite of a minimum overall grade point average of 2.00; specific departments may require a higher overall average, as noted in their internship course description.

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DEPARTMENTAL REQUIREMENTS

AFRICAN-AMERICAN STUDIES
(Interdepartmental)

Dr. E. Sheridan, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in African-American studies which affords students the opportunity to learn about the many facets of the African-American experience. The minor encompasses courses in history, English, political science, sociology, criminal justice, communication studies and philosophy and religion.

Requirements for a Minor in African-American Studies: To earn a minor in African-American studies requires 18 hours, including nine hours in core courses. The remaining hours may be taken from the electives below, including at least three hours at the 300 level or higher. Students must earn at least a "C" average in courses counted for a minor in African-American studies. Courses taken to fulfill major requirements cannot be used to fulfill requirements for the African-American studies minor. Core Courses: ENG 232, HST 261, and PLS 340. Electives: COM 390, COM 391, CRJ 370, ENG 355, HST 371, HST 372, HST 373, HST 374, MUS 116, MUS 119, PLS 330, P&R 243, SOC 325.

AMERICAN STUDIES
(Interdepartmental)

Dr. L. Rohler, Jr., *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in American studies, providing students with the opportunity to develop an understanding of the nexus of ideas and events which shape the American experience and the symbolic representation of these ideas and events in American literature and art.

Requirements for a Minor in American Studies: To earn a minor in American studies requires completion of 21 hours, including nine hours of core courses and 12 hours of electives. At least three hours must be at the 300 level or above. No more than nine hours may be taken from any one department. Students must earn at least a "C" average in courses counted for a minor in American studies. Courses taken to fulfill major requirements or requirements for another minor may not be used to fulfill requirements for this minor. Core Courses: ENG 223 or 224: American Literature I or II; HST 202 or 202: American History I or II; P&R 205 American Philosophy or P&R 242 Religion in America.

ANTHROPOLOGY
(See Sociology and Anthropology)

ART AND THEATRE

Dr. A. Janson, *chair.*

The Department of Art and Theatre is comprised of divisions of art and theatre. The department offers majors leading to B.A. degrees in art and theatre.

ART

Ms. Conner, Mr. Furst, Dr. Janson, Mr. LeQuire, Dr. Moore, Dr. Myers, Ms. Worthington.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in art a student must successfully complete ART 495 or any other approved oral intensive course (see list on page 106).

Requirements for a Major in Art History for a B.A. degree in art: ART 201, 202, 203; six hours of studio art to be chosen from ART 101,102, 111, 112; HST 101, 102. 18 hours in art history at the 300-400 levels. No more than three hours of ART 491 may be counted toward the major.

Requirements for a Minor in Art History: ART 201, 202, 203; 15 hours of 300-400 level art history. No more than three hours of ART 491 may be counted toward the major. An overall "C" average (2.00) in all courses counted toward the minor.

Requirements for a Major in Studio Art for a B.A. degree in art: ART 101, 102; ART 111 or 112; ART 211; six hours of art history survey chosen from ART 201, 202 or 203; three hours of 300-400 level art history; 27 hours chosen from at least three different studio areas.

Requirements for a Minor in Studio Art: ART 101,102; 15 hours of 200-400 level studio art courses (at least six hours must be 300-400 level studio art). An overall "C" average (2.00) in all courses counted toward the minor.

An overall "C" average (2.00) in all courses counted toward the major.

THEATRE

Mr. Hawley, Mr. Loeffler-Bell, Mr. Macie, Dr. Rogers, Dr. Theodore, Dr. Vincent.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in theatre a student must successfully complete THR 495 or any other approved oral intensive course (see list on page 106).

Requirements for a Major in Theatre for a B.A. degree: THR 201, 205, 210, 231, 241, 242, 243, 244, 321, 322, 355, 486 and 12 additional credits, including at least six credits at the 300-400 level, from the following: 202, 206, 232, 245, 301, 302, 305, 306, 308, 309, 333, 455, 461, 462. An overall "C" average (2.00) in all courses counted toward the major.

Requirements for a Minor in Theatre: THR 130 or 230; THR 201, 205, 206, 210; two hours of Theatre Practice to be chosen from THR 241, 242, 244; THR 321, 322. An overall "C" average (2.00) in all courses counted toward the minor.

BIOLOGICAL SCIENCES

World-Wide-Web URL: http://www.uncwil.edu/sys$disk1/biology/bio.html

Dr. R. Sizemore, *chair.* Dr. Ballard, Dr. Bartl, Dr. Bolen, Dr. Cahoon, Dr. Clavijo, Dr. Dillaman, Dr.Dodd, Dr. Dunn, Dr. Geller, Dr. George, Dr. Hackney, Dr Hosier, Dr. Kapraun, Ms. Kendrick, Dr. Lindquist, Dr. Lundeen, Dr. Merritt, Dr. Mintzes, Dr. Pabst, Dr. Padgett, Dr. Pawlik, Dr. Plyler, Dr. Posey, Dr. Roer, Dr. Roye, Dr. Sayigh, Dr. Shafer, Dr. Sieren, Dr. Webster.

Students may declare a major in biology after completion of 30 semester hours of credit with at least a 2.50 overall grade point average and completion of BIO 110 and 205 or 206 with an average of 2.50 or higher.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in biology a student must successfully complete BIO 495.

Requirements for a Major in Biology for the B.A. degree: BIO 110, 205, 206, which should be taken early in the program of study, BIO 495 and completion of the additional requirements for one of the options described below.

Option 1. General.

A minimum of 30 hours chosen from biology courses numbered above 299. CHM 101-102 with lab. A "C" average is required on all BIO courses above 200. This option is a flexible program which can be designed by a student and an advisor to meet personal educational goals and interests which may or may not include graduate study. The program may be used to meet a set of specific requirements, for example, certification for teaching at the secondary school level.

Option 2. Premedical Sciences.

BIO 315, 335 with lab, 345 or 347 or 465, and a minimum of eight hours chosen from BIO 316, 320, 371, 377, 410, 425, 435, 440. CHM 101-102 with lab, 211-212 with lab, 235; PHY 101-102; MAT 151, 152. A "C" average is required on all BIO courses above 299. This option is designed for students who wish pre-professional training in medicine, dentistry, optometry, and other health-care fields. The sequence of courses conforms to entrance requirements prescribed in publications of the Association of American Medical Colleges, the American Association of Dental Schools, and the Council on Optometric Education of the American Optometric Association.

Option 3. Conservation Biology

BIO 109, 335, 365 or 356, 366, 466, 475; CHM 101 and CHML 101, CHM 102 and CHML 102; and 11 additional hours selected from BIO 345 or 355, BIO 358 or 452, BIO 375, BIO 377 or 446, BIO 430, BIO 435 or 436, BIO 454, BIO 456, BIO 457, BIO 482. This option is designed for students who are interested in the field of conservation biology or natural resource management. STT 215 is strongly recommended. Those students who plan to pursue graduate study should also take CHM 211-212, CHML 211-212, and either PHY 101-102 or 201-202. A 2.00 average is required on all BIO courses above 299.

Requirements for a Major in Biology for the B.S. degree: BIO 110, 205, 206, which should be taken early in the program of study, 335 with lab, 345 or 347 with lab or 355, 366, 495. CHM 101-102 with lab, 211-212 with lab or CHM 211 with lab and BIO 465 with lab; PHY 101-102 or 201-202; MAT 151; STT 215; and at least eight additional hours from courses numbered above 299, at least three hours of which must be cellular/molecular biology. (The following are considered to be courses in cellular-molecular biology: BIO 347, 410, 425, 430, 435, 436,

440, 465.) A "C" average is required on all BIO courses above 299. Students planning to attend graduate school are encouraged to take CHM 235; MAT 152; CSC 111, 121, 125, 126; FRH 201-202 or GER 201-202. This degree program is designed for those students who plan to attend graduate school or seek employment in various fields of biological specialization.

Requirements for a Major in Marine Biology for the B.S. degree: Basic core requirements are BIO 110, 205, and 206, which should be taken early in the program of study, 335 with lab, 345 or 347 with lab or 355, 362, 366, and 495 and a minimum of 10 hours chosen from BIO 358, 365 or 481, 446 or 472, 457, 458, 462 and 468. CHM 101-102 with lab; GLY 150; PHY 101-102 or 201-202; MAT 111-112 or 115-151 or a higher sequence; and a minimum of four semester hours chosen from CHM 211-212, 235, 475; CSC 111, 121, 125; GGY 333; GLY 101, 337; STT 215. A "C" or better average is required on BIO courses above 299.

The UNCW marine biology curriculum is a unique baccalaureate program in the university system. It includes a strong foundation of biology with an emphasis in marine biology at the junior and senior levels. Full use is made of the natural laboratory provided by the adjacent Atlantic Ocean through extensive field work in many marine biology courses. The curriculum is flexible enough to meet the individual needs of the student enabling preparation for graduate studies or for teaching and research careers available to one with the baccalaureate degree.

Requirements for Teacher Certification in Biology: In addition to completing the requirements for a degree in biology or marine biology and the other requirements of the Teacher Education Program, the following courses are required for certification: BIO 315, 235 or 335 with or without lab, 345 or 347 with or without lab or 355, 366, 238 or 425, GLY 101 or 150, and PHY 101 or 105. For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year), and plan their programs in regular consultation with their advisors. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Major in Clinical Laboratory Science for the B.S. degree
(See Clinical Laboratory Science)

CHEMISTRY

Dr. N. Martin, *chair.* Dr. Adcock, Dr. Burgess, Dr. Cahill, Dr. Hargittai, Ms. R.B. Jones, Dr. S.B. Jones, Dr. Kiddle, Dr. Kieber, Dr. Levy, Dr. Manock, Dr. Messina, Dr. Quin, Dr. Reeves, Dr. Sayed, Dr. Seaton, Dr. Skrabal, Dr. Ward, Dr. Willey.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in chemistry a student must successfully complete CHM 495.

Requirements for a Major in Chemistry for the B.A. degree: Core courses: CHM and CHML 101-102, CHM and CHML 211-212, CHM and CHML 235, CHM 255, CHM 315-316, CHM and CHML 321, CHM 445, CHM 495, MAT 161-162, PHY 201-202 and one of the following options:

(1) at least seven semester hours from CHM 377, CHML 377, CHM 415, 417, 435, CHML 435, CHM 465, 467, 475, 485, 490, 491* and 499*.
(*If 491 or 499 is used, the student must take a total of three credit hours in 491 and may count only three of the six credit hours taken as 499 for credit toward the major.)

(2) Teacher Education Requirements.

A "C" or better on each chemistry course.

The following courses are recommended electives for some particular areas of interest:

Environmental Chemistry: CHM 377, 476, CHML 377, BIO 110, BIO 205 or 206, EVS 195, 495, GLY 120, and STT 215.

Marine Chemistry: CHM 475, 476, BIO 110, BIO 205 or 206, 362, and GLY 150.

Industrial Chemistry: CHM 377, 435, 485 and CHML 377 and 435, ACG 201 and either PDS 217 or STT 215.

Premedical Science: CHM 417, 465, CHM 467, BIO 110, and 206.

Teacher Education Requirements: see Watson School of Education section of the catalogue. For Secondary Teacher Certification in General Science as well as Chemistry take BIO 110 and an additional BIO course, PHY 260, and two courses form GLY 101, 120, 150. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Major in Chemistry for the B.S. degree: CHM 101-102, CHML 101-102, CHM 211-212, CHML 211-212, CHM 235, CHML 235, CHM 255, CHM 315-316, 321-322, CHML 321-322, CHM 435, CHML 435, CHM 445, CHML 445, CHM 495 and two of the following: CHM 415, 446, 465, 485, 491* and 499*. MAT 161-162, 261, and 361 and PHY 201-202. A "C" or better on each chemistry course. Students working for the B.S. degree should arrange their work so as to take CHM 321-322 in the junior year. Two years of German are recommended.

(*If 491 or 499 is used, the student must take a total of three credit hours in 491 and may count only three of the six credit hours taken as 499 for credit toward the major.)

Requirements for a Minor in Chemistry: CHM 101-102; CHML 101-102; CHM and CHML 211-212 or CHM and CHML 211 and 235; and six additional hours in chemistry at the 300-400 level. A "C" or better on each chemistry course.

CLASSICAL STUDIES

(Interdepartmental)

Dr. A. Deagon, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in Classical Studies. The minor provides students with a multifaceted understanding of the civilizations of ancient Greece and Rome, as well as of the Western foundations of modern intellectual traditions. Students complement core requirements with studies in the fine arts, literature, political science, history and civilization, philosophy and religion, and ancient languages.

Requirements for a Minor in Classical Studies: Core (six hours): ART 201; CLA 210 (ENG 210); P&R 201. Electives: (12 hours) LAT 102, 201, 202, 491; CLA 110, 330, 491; ENG 209 (CLA 209), 345; ART 301; HST 306; P&R 141, 231, 302, 303.

COMMUNICATION STUDIES

Mr. F. Trimble, *chair.* Dr. Bolduc, Dr. Brunson, Dr. Buttino, Dr. Comeaux, Dr. McKinney, Dr. Noor Al-Deen, Dr. Pullum, Dr. Rohler, Dr. Tallant.

Oral Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in communication studies a student must successfully complete COM 110.

Requirements for a Major in Communication Studies for the B.A. degree: COM 110, 300, 340, 341 and 490 plus 24 additional hours of communication studies course work. At least 12 of these 24 hours must be at the 300 or 400 level. With respect to these 24 hours, note the following restrictions on the maximum number of credit hours from these courses: COM 295 (six hours), COM 490 (nine hours), COM 491 (0 hours), COM 495 (six hours), COM 498 (0 hours). A 2.00 average for the required and "24 additional hours" of communication studies course work is required. Differently titled courses with the numbers 295, 495, or 490 may be repeated for additional credit. A maximum number of credit hours may be counted toward graduation from these courses as follows: COM 490 (nine hours), COM 491 (nine hours), COM 498 (12 hours).

COMPUTER SCIENCE

(See Mathematical Sciences)

CRIMINAL JUSTICE

(See Sociology and Anthropology)

EARTH SCIENCES

Dr. R. Laws, *chair.* Dr. Ainsley, Dr. Argenbright, Dr. Blake, Dr. Cleary, Dr. Dockal, Dr. Gaudet, Dr. Hall, Dr. Harris, Dr. Hines, Dr. Huntsman, Dr. Kiefer, Dr. Leonard, Dr. Smith, Dr. Spivack, Dr. Thayer.

The Department of Earth Sciences offers majors in geography and geology which prepare the student for advanced studies or for teaching, research, and technical careers available to one who holds the baccalaureate degree.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in geography a student must successfully complete GGY 495.

Requirements for a Major in Geography for the B.A. degree: Core requirements: GGY 130, 140, 180, 181, 320, 495 and STT 205 or 215. In addition, students must complete 25 hours of elective courses, 14 of which must be above the 299 level as follows: (a) 13 hours in physical and applied geography courses, including at least one lab course (*), selected from: GGY 230, 270, 322*, 325, 333*, 335*, 473, 478; and (b) 12 hours in economic and cultural geography, including at least one course in regional geography (**), selected from: GGY 210, 240, 245, 255**, 282**, 312, 317, 350, 382**, 385**, 388**, 452. CSC 105 is recommended for all geography majors. A "C" (2.00) or better average is required on all courses taken within the department and on all required courses above the 199 level in the department.

Requirements for a Minor in Geography: GGY 130, 140, 180, or 181, 320 and nine additional hours of geography courses, of which at least six hours must be at the 300 or 400 level. A "C" (2.00) or better average is required for courses counted toward the minor. (Total hours required for minor: 23 hours)

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in geology a student must successfully complete GLY 495.

Requirements for a Major in Geology for the B.A. degree: GLY 101, 102, 200, 201, 310, 335, 337, 431, 441, 495, CHM (lecture and laboratory) 101-102, MAT 111-112 or 115. A "C" (2.00) or better average on all courses taken within the department and a "C" (2.00) or better average on all required courses above the 199-level in the department.

Requirements for a Major in Geology for the B.S. degree: GLY 101, 102, 200, 201, 202, 311, 312, 337, 431, 441, 470, 495, CHM (lecture and laboratory) 101-102, MAT 161-162, PHY 101-102 or 201-202. A "C" (2.00) or better average on all courses taken within the department and "C" (2.00) or better average on all required courses above the 199-level in the department. Students planning to attend graduate school are urged to take CSC 111, and FRH 101-102 or GER 101-102.

Requirements for a Minor in Geology: GLY 101, 102, 201, 310, CHM 101 and CHML 101, and one additional GLY course at the 300-400 level. An overall 2.00 average is required in courses counted toward the minor.

Requirements for Teacher Certification in Earth Sciences (Geology only): In addition to completing the requirements for a major in geology and the other requirements of the Teacher Education Program, the following courses are also required for certification: BIO 110 and 205 or BIO 110 and 206; GLY 150; PHY 260; GGY 230. Teacher certification requirements are established at the state level and may be changed by the state at any time.

ENGLISH

World-Wide-Web URL: www.uncwil.edu/sys$disk1/english/english.html

Dr. P. Furia, *chair.* Ms. Adams, Dr. Aegerter, Dr. Atwill, Dr. Berliner, Dr. Bushman, Dr. Byington, Dr. Clifford, Mr. Colbert, Dr. Collier, Dr. Corbett, Dr. Dodson, Dr. Ellerby, Dr. Ellis, Dr. Ervin, Mr. Gerard, Dr. Gould, Ms. Halme, Dr. Huntley-Johnston, Dr. Kamenish, Ms. Lee, Dr. MacLennan, Dr. Newlin, Dr. Noland, Dr. Parish, Dr. G. Richardson, Dr. S. Richardson, Dr. Rugoff, Dr. Schweninger, Dr. Seiple, Dr. Stokes, Dr. Sullivan, Dr. Veit, Dr. Walker, Dr. Waxman, Dr. Wentworth, Dr. White, Mr. Wilkes.

The English Department offers intellectual enrichment and training in analytical and communication skills through courses in literature, writing, and language.

Students must complete either a sequence of ENG 101-102 or must complete ENG 103. Placement in those courses is determined by the English Placement test or by scores on the Advanced Placement test or the CLEP test.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in English a student must successfully complete ENG 495 or 496.

Requirements for a Major in English for the B.A. degree: Core requirements are ENG 211-212, 223-224, 306, and 320 or 323. An overall average of 2.00 or better is required among courses taken to satisfy the requirements of the major.

General Option. This option is a flexible program, allowing students to take courses in literature, writing, and the English language. The course of study can be designed by a student and an advisor to meet personal educational goals and interests. The core requirements plus an additional 24 hours in English courses, consisting of six hours in literature, six hours in writ-

ing, one 495 or 496 senior seminar, and nine elective hours. No more than six of these 24 hours may be at the 200 level.

Literature and Language Option. This option is intended for students who desire to focus their studies in literature and/or the English language, including those who plan to attend graduate school. The core requirements plus an additional 24 hours in English courses, consisting of ENG 332 or 333, 12 hours in literature and/or language (including a 495 senior seminar), three hours in writing, and six elective hours. No more than six of these 24 hours may be at the 200 level.

Professional and Creative Writing Option. This option is intended for students who desire to focus their studies in professional and/or creative writing. The core requirements plus an additional 24 hours in English courses, consisting of 12 hours of writing courses (including a 496 senior seminar), six hours in literature, and six elective hours. No more than nine of these 24 hours may be at the 200 level.

Teacher Licensure Option. This option leads to teacher licensure in English. Teacher Education Program requirements, the core requirements (which must include ENG 320), plus an additional 24 hours in English courses, consisting of 206, 225 or 226, 304, 321, 380 or 381, 382 or 383, a 495 or 496 senior seminar, and three elective hours at the 300 or 400 level. For information on admissions criteria for the Teacher Education Program and the courses required for licensure (i.e, certification) in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for a Minor in English: Six hours of English courses from among ENG 211, 212, 223, 224, 225, 226; a three-hour writing or language course; 12 additional hours in English, with at least nine hours at the 300-400 level. An overall average of 2.00 or better is required among courses taken to satisfy the requirements of the minor.

Courses in Other Departments: Up to six hours from the following courses can be counted as literature courses in the English major or minor: FRH 209, 321, 322, 336, 437, 438; SPN 209, 210, 321, 421, 422, GER 209, 321, 322; CLA 209, 210.

ENVIRONMENTAL STUDIES

(Department of Earth Sciences)

Dr. J. Hall, *director and coordinator, B.S. Program.*
Dr. R. Buerger, *coordinator, B.A. Program.*
Dr. R. Cutting, *coordinator, Internships and Field Experiences.*

The environmental studies curriculum is designed to give students the depth of intellectual and analytical skills along with the scholarly background necessary to understand and solve environmental problems. The process is interdisciplinary, drawing upon the resources of many related fields to provide the rigorous analysis necessary to understand environmental problems and formulate decisions that are environmentally sound.

The EVS program offers both bachelor of arts and bachelor of science degree options. The bachelor of arts degree allows students a variety of specialization options in both social and natural sciences. The bachelor of science degree is intended to give intense training in either the biological or physical sciences.

Due to the continual addition of new courses, the director of environmental studies may consider the substitution of certain courses for those officially listed under the B.A. or B.S. options.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in environmental studies a student must successfully complete EVS 495.

General core requirements for all Environmental Studies Majors (21 hours): BIO 110, CHM 101, CHML 101, EVS 195, GGY 130 or GLY 120 and GLYL 120, MAT 111 or higher, STT 215.

Requirements for a Major in Environmental Studies for the B.A. degree: The bachelor of arts degree in environmental studies emphasizes a combination of social science, humanities and natural sciences. The B.A. in environmental studies prepares students for entry-level positions in many diverse fields, including urban and regional planning, environmental impact analysis, natural resource management, environmental education, conservation administration, energy policy, public interest lobbying, social science law, government and business.

(54 hours total= General Core+B.A. requirements)

Core curriculum: BIO 234, EVS 495, REC 360.

Elective Curriculum: Must take 24 hours of the following from at least three different areas; 15 hours must be above the 299 level: ANT 309, BIO 237, 364, 466, 478, 482, 487, BLA 362, CHM 377, CHML 377, COM 223, ECN 325, GGY 140, 270, 452, 473, GLY 220, 458, HST 332, 456, P&R 215, PLS 209, 304, 308, 492, PSY 370, REC 361, 366, 470, STT 305.

Requirements for a Major in Environmental Studies for the B.S. degree: A student may elect to follow one of two distinct areas in environment science: physical or biological science. Each area emphasizes broad and comprehensive training in the fundamentals of mathematics, physics, chemistry, biology and earth science directly related to environmental questions. This training is for those who wish to acquire more than a general understanding of the impact of science and technology on society, and who wish to contribute to the solution of environmental problems.

To be considered for admission to the B.S. program in environmental studies, a student must complete 30 hours of classwork with a minimum GPA of 2.50. In the 30 hours of classwork, a student must take at least two of the general core requirements for all environmental studies majors listed above.

Core curriculum for Biological Science area: 27 or 31 hours in addition to general core; seven hours must be at the 300-level or higher: BIO 205, 206 366; CHM 102, CHML 102, CHM 377, CHML 377; PHY 105 or PHY 101 and 102; EVS 495.

Elective curriculum for Biological Science area: 15 hours, of which 11 hours must be at the 300 level or higher: BIO 238, 356, 358, 364, 460, 475, 478, 480, 482, 487; CHM 211, CHML 211, CHM 212, CHML 212, CHM 235, CHML 235, CHM 315, CHML 315, CHM 316, CHML 316, CHM 475.

Other recommended courses for Biological Science area: ANT 309, BLA 262, ECN 325, EVS 490, 491, 498, 499; GGY 322, 333, 335; GLY 220; HST 456 or 332; PHY 101-102 or 201-202; PLS 209, 304, 492; PSY 370; P&R 215; REC 360; STT 305.

Core curriculum for Physical Science area: 26 hours in addition to general core: CHM 102, CHML 102; EVS 495; GLY 220; MAT 161 and 162; PHY 101 and 102 or PHY 201 and 202.

Elective curriculum for Physical Science area: 18 hours, of which 15 hours must be at the 300 level or higher, from at least two areas: CHM 211, CHML 211, CHM 212, CHML 212, CHM 235, CHML 235, CHM 255, CHM 321, CHML 321, CHM 315, CHML 315, CHM 316, CHML 316, CHM 377, CHML 377, CHM 475; GGY 322, 333, 335; GLY 426, 431, 441, 458, 472; PHY 201-202, 311-312; STT 305.

Other recommended courses for Physical Science area: ANT 309; BIO 364, 366, 478; BLA 262; ECN 325; EVS 490, 491, 498, 499; HST 456, 332; PLS 209, 304, 492; PSY 370; P&R 215; REC 360.

EUROPEAN STUDIES
(Interdepartmental)

Dr. T. Mount, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in European studies which focuses on Europe since 1650. The minor provides a broad foundation for understanding modern Europe through the study of geography, history, language, and literature. Students complement core requirements with studies in the fine arts, literature, history and civilization, and political science.

Requirements for a Minor in European Studies: Core: (15 hours): GGY 385; ENG 370 or 371; HST 102; HST 394, 396, or 398; and a course in FRH, GER, PRT, or SPN (chosen from offerings numbered 201 or higher, excluding those taught in English and those designated Spanish American or Latin American). Electives (nine hours): Nine additional credits selected from designated offerings in ART, ENG, FRH, GER, HST, MUS, PLS, P&R, SPN, THR, and approved Study Abroad courses taken in Europe. A "C" (2.00) or better average is required for all courses counted toward the minor in European studies. Courses being counted toward a major cannot be counted toward completion of minor requirements. Students should contact the coordinator in the Department of Foreign Languages and Literatures for a list of designated elective courses.

FOREIGN LANGUAGES AND LITERATURES

Dr. P. Lapaire, *chair.* Dr. Burt, Dr. Campbell, Dr. Deagon, Dr. Deitz, Dr. Hobbs, Mr. Lowe, Dr. McNab, Dr. J. Mount, Dr. T. Mount, Dr. Parra, Dr. Perez, Dr. Spicher, Ms. Stites, Dr. Thomas, Dr. Woodhouse.

A student who offers high school units in French, German, Latin, or Spanish and wishes to continue the study of the same language must take the foreign language placement test. Courses numbered 209 through 212 are taught in English and do not have the placement test as a prerequisite. Placement in Portuguese is done through consultation with the Department of Foreign Languages and Literatures. A student with no significant experience in a language does not need to take the placement test.

Supplementary foreign language credit: Students who complete, with a grade of "C" or better, a French, German, Latin or Spanish course numbered 201 or higher (excluding 209, 210, 211, and 212) and who have received no AP credit, no transfer credit, and no 100-level credit at UNCW in that language shall be granted three hours of supplemental elective credit. This credit shall not apply toward Basic Studies requirements.

The Department of Foreign Languages and Literatures offers the B.A. degree in French or Spanish.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in French a student must successfully complete FRH 301.

Requirements for a Major in French for the B.A. degree: Thirty credit hours above the 200 level of which at least six hours must be at the 400 level. Only three of the hours at the 400 level may be obtained by means of a FRH 491 or 498. A "C" (2.00) or better grade is required in each course counted for the major. Also required is a passing score on the departmental French oral proficiency exam. Recommended: HST 101 and 102.

Requirements for a Major in French for the B.A. degree with Teacher Certification: Students seeking certification in French (K-12) must complete FRH 301, 302-303, 306, 308, 311, 321, 322 and at least six credit hours at the 400 level, only three of which may be obtained by means of a FRH 491 or 498. A "C" (2.00) or better average is required for all courses counted toward the major. Recommended: HST 101 and 102. Students must also satisfy the professional education requirements listed under the Watson School of Education. For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year), and plan their programs in regular consultation with their advisors. Teacher Certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Minor in French: Completion of a minimum of 18 semester hours at the 200 level and above, excluding FRH 209. Of these, at least six hours must be at the 300 level or higher.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in Spanish a student must successfully complete SPN 305.

Requirements for a Major in Spanish for a B.A. degree: Eight of the following courses: SPN 304, 305, 306, 307, 308, 309, 311, 312, 321, 322; and at least six credit hours from the following courses: SPN 401, 405, 411, 412, 421, 422, 491, 495. No more than three hours of SPN 491 credit may count toward major requirements. A "C" (2.00) or better average is required for all courses counted toward the major. Recommended: HST 101 and 102.

Requirements for a Major in Spanish for the B.A. degree with Teacher Certification: Students seeking certification in Spanish (K-12) must complete the requirements for the Spanish major (specifically required are SPN 305, 306, 307, 308, 311, 312, 321, 322 and at least six hours at the 400 level, only three of which may be obtained by means of a SPN 491 or 498) and the professional education requirements listed under the Watson School of Education. For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors. Teacher Certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Minor in Spanish: Completion of a minimum of 18 hours at the 200 level and above, excluding SPN 209, 210, 211, and 212. Of these, at least six hours must be at the 300 level or higher.

Requirements for a Minor in German: Completion of a minimum of 18 semester hours at the 200 level and above, excluding GER 209. Of these, at least six hours must be at the 300 level or higher. HST 323 may be counted toward the minor, but is not required.

The Department of Foreign Languages and Literatures offers introductory course sequences (101, 102) in Italian and Japanese every semester, and Portuguese as needed. The Department of Foreign Languages and Literatures offers courses in Latin (introductory and intermediate sequence) and classical courses in translation.

FRENCH

(See Foreign Languages and Literatures)

GEOGRAPHY

(See Earth Sciences)

GEOLOGY

(See Earth Sciences)

GERMAN

(See Foreign Languages and Literatures)

GERONTOLOGY

(Interdepartmental)

Dr. Covan, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in gerontology which focuses on the study of the aged and the aging process. The minor draws faculty from the Departments of Sociology and Anthropology, Psychology, HPER, and the humanities. The minor is designed for students with a general interest in aging or who may be considering a career which involves working with the elderly. Coursework encourages students to obtain field experience in local agencies concerned with older adults.

Requirements for a Minor in Gerontology: Core: GRN 101, SOC 336, PSY 324, and HEA 325. Electives: nine additional credits of designated gerontology courses are required to complete the minor. Students should contact the coordinator in the Department of Sociology and Anthropology for a list of current designated courses.

HEALTH, PHYSICAL EDUCATION AND RECREATION

Dr. J. Peel, *interim chair.*

The Department of Health, Physical Education and Recreation is comprised of health, physical education and parks and recreation management. The baccalaureate degree is offered in physical education and parks and recreation management.

HEALTH

Dr. Peel, Dr. Ragon.

PHYSICAL EDUCATION

Mr. D. Allen, Dr. Bennett, Dr. Bourque, Mr. Brownell, Mr. Chapman, Dr. Combs, Dr. Dowd, Mr. Ellington, Mr. Farfour, Ms. Foster, Mr. Honeycutt, Ms. McDaniel, Dr. Miller, Mr. Scalf, Ms. St. Ledger, Mr. Wilkinson.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in physical education a student must successfully complete PED 235.

Requirements for a Major in Physical Education (Teacher Certification Track) for the B.A. degree: PED 200, 201, 202, 216, 217, 235, 340, 349, 350, 355, 386, 387, 415, HEA 305, EDN 200, 203, 303, 356, 409, PSY 223. A "C" or better grade in all physical education, education, and psychology courses. Students are certified in physical education. Students may qualify for add-on certification in health by completing the following additional courses: HEA 105, 201, 205, 207, 234, 304, and 305. Students must satisfy the aquatics competency test or complete one of the following courses: PED 104, 105, 106, 107, 108, or 109. Students are also required to take 24 hours in an academic concentration. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Major in Physical Education (General Track) for the B.A. degree: Choose two courses from PED 200, 201, or 202. Complete 216, 217, 235, 340, 349, 355, 435, 469, and 12 hours from PED 301, 350, 401, 415, 416, 460, 491, HEA 207, and 325. A "C" or better grade in all required health and physical education courses. Students must satisfy the aquatics competency test or complete one of the following courses: PED 104, 105, 106, 107, 108, or 109. See physical education coordinator for recommended courses of study for options within the general track.

PARKS AND RECREATION MANAGEMENT

Dr. Buerger, Dr. Hill, Dr. Koh, Dr. Lewis, Ms. Parker.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in parks and recreation management a student must successfully complete REC 270.

Requirements for a Major in Parks and Recreation Management for the B.A degree: Core Courses: REC 265, 266 (PED 266), 270, 348, 359 (PED 359), 360, 368, 375, 498. For all required recreation and physical education courses students must achieve a 2.00 cumulative grade point average.

Leisure Service Management Option: All students are required to complete REC 430, 440, 495. Students concentrating in Area 1 (Tourism and Commercial Recreation) are required to complete REC 351 and REC 352. Students concentrating in Area 2 (Quasi Public and Public Recreation) are required to complete PLS 101 and PLS 207. All students are required to complete 12 additional collateral hours selected from the following courses: ACG 201, 203; BLA 261, 361; BUS 150; COM 223, 325; ECN 125, 222; MGT 350, 357; MKT 340, 347, 349; P&R 216; PLS 206, 304; PSY 110, 336.

Therapeutic Recreation Option: REC 370, 468, 480. PED 216, 217; PSY 223, 347; and two of the following with no more than three credit hours in any one discipline: REC 369; PED 340, 349, 360, 415; HEA 325; SOC 215, 336, 337, 345, 433; PSY 220, 324, 346, 352, 450; EDN 260; GRN 101.

Natural Resources Recreation Management Option: Twelve hours from REC 280, 351, 352, 361, 366, 465, 470. Choose four courses from one of the following two areas of study. Area 1 (Natural Science): BIO 236, 237, 364, 485; EVS 195; GGY 130, 230; GLY 101, 120 (EVS 120), 150. Area 2 (Cultural Interpretation): ANT 105, 205 (SOC 205), 206, 207, 210, 387; GGY 140; GLY 135; HST 378 (GGY 378); PHY 111.

Requirements for a Minor in Parks and Recreation: REC 265, 270, 348, 375, and nine additional credits at the 300-400 level. In selecting courses to fulfill the nine elective credits, students are strongly encouraged to consult with the faculty in parks and recreation management. An overall 2.00 grade point average is required in courses counted toward the minor.

HISTORY

Dr. L. Usilton, *chair.* Dr. Berkeley, Dr. Cable, Dr. Chen, Dr. Clark, Dr. Conser, Dr. Graham, Dr. Haley, Dr. Kinzer, Dr. LaVere, Dr. Leutze, Dr. McCaffray, Dr. McCarthy, Dr. McLaurin, Dr. Seidman, Dr. Shaffer, Dr. Spaulding, Dr. Szylvian, Dr. Toplin, Dr. Watson.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in history a student must successfully complete HST 290.

Requirements for a Major in History for the B.A. degree: HST 101, 102, 103, 201, 202, 290; an additional 24 hours in history at the 300-400 levels. An additional three hours at the 200 level may be counted toward fulfillment of this 24-credit requirement. An overall "C" (2.00) average is required in all courses taken within the department. Students are required to take a minimum of six hours of seminar work selected from 400-level courses, HST 491, 498, 499 excepted. No more than six hours of HST 491 and 495 can be counted toward the major. Students are required to complete at least one 300-400 level course in each of the following areas: Europe, United States, and one other from Africa, Asia, Latin America, or Middle East. History majors seeking certification in social studies must complete a total of 21 hours collateral, including PLS 101 and at least one course in each of the following areas (advisor approval required): sociology/anthropology, economics, and geography. For information on the Teacher Education Program admissions criteria and the courses required for licensure (i.e., certification) in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors. Teacher certification requirements are established at the state level and may be changed by the state at any time.

Requirements for a Minor in History: HST 101, 102, 103, 201, 202; an additional nine hours in History at the 300-400 levels, at least three hours of which must be in an area other than Europe or the United States; an overall "C" (2.00) average in courses taken in the department.

ITALIAN

(See Foreign Languages and Literatures)

JAPANESE

(See Foreign Languages and Literatures)

LATIN

(See Foreign Languages and Literatures)

LATIN AMERICAN STUDIES

(Interdepartmental)

Dr. T. Parra, Dr. P. Thomas, *coordinators*

The College of Arts and Sciences offers a minor in Latin American studies which provides a multidisciplinary focus on Latin American society. The minor draws faculty from the Departments of Foreign Languages and Literatures, History, Anthropology, and the Cameron School of Business as well as other fields of study in the humanities and social sciences. The minor is designed for students with a general interest in Latin America who may be considering a career which involves business relations with Latin America, teaching about Latin America, or work with Latin Americans who are living in the United States.

Requirements for a Minor in Latin American Studies: Core (15 hours): Spanish or Portuguese above 202 (six hours); HST 368, 369 or 485; SPN 312; ANT 304, 317, or 294. Electives (nine hours): SPN 322, 412, 422, 495, BIO 294, GLY 294, HST 368, 369, ANT 304, 317, 302, 294.

LEADERSHIP STUDIES

(Interdepartmental)

Dr. D. Brunson, *coordinator.*

The College of Arts and Sciences offers a multi-disciplinary minor in leadership studies which focuses on the study of leadership in different contexts. The minor encompasses courses in education, communication studies, management, philosophy and religion, political science, psychology, recreation, and sociology.

Requirements for a Minor in Leadership Studies: To earn a minor in leadership studies requires 21 hours including nine hours in core courses. Students select an additional 12 hours of elective courses from an approved list. Students must have a "C" average (2.00) in courses counted for the minor. The core courses are EDN 211, COM 311, and LED 411. For a list of approved elective courses, students should contact the coordinator of the leadership studies minor.

MARINE BIOLOGY

(See Biological Sciences)

MATHEMATICAL SCIENCES

World-Wide-Web URL: http://www.cms.uncwil.edu

Dr. D. Smith, *chair.* Dr. Adhar, Dr. Berman, Dr. J. Brown, Dr. Chang, Dr. Dankel, Dr. Deck, Dr. Elder, Dr. Etheridge, Dr. Feng, Dr. Frierson, Dr. Greim, Dr. Gurganus, Dr. Herman, Dr. Karlof, Dr. Kasala, Dr. Lu, Dr. Lugo, Dr. McLaurin, Dr. Narayan, Dr. Nelson, Dr. Norris, Dr. Sadek, Dr. Saksena, Dr. Shotsberger, Dr. H. Smith, Dr. K. Smith, Dr. Spackman, Ms. Spike, Dr. TenHuisen, Dr. Vedantham, Dr. Vetter, Ms. Wager.

COMPUTER SCIENCE

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. degree in computer science a student must successfully complete CSC 495 or any other approved oral intensive course (see list on page 106).

Requirements for a Major in Computer Science for the B.S. degree: A student must complete one of the following options to fulfill the degree requirements. With careful planning and advising, a student may complete a minor in an area of application.

A quality point average of 2.00 or better must be earned on the courses used to fulfill the requirements of the major; in addition, a quality point average of 2.00 or better must be earned on each CSC course used to fulfill the requirements of the major.

Option 1.

This option emphasizes the study of computers as systems. Students selecting this option are prepared for careers involving systems analysis or systems integration, or for graduate studies in computer sciences. CSC 121, 133, 221, 233, 241, 242, 332, 334 360, MAT 161, 162, STT 215, completion of Requirement A and Requirement B, listed below.

Requirement A:

At least 18 additional hours of CSC courses numbered 300 or above, at least six hours of which must be numbered 400 or above, and including at least three hours from each of the following groups:

1. CSC 344, CSC 350, CSC 365, CSC 442
2. CSC 337, CSC 342
3. CSC 410, CSC 450, CSC 453, CSC 455
4. CSC 305, CSC 325, CSC 422, CSC 460

Requirement B:

1. the sequence PHY 201, 202 and
2. two courses selected from BIO 110, 205, 206, CHM and CHML 101, 102, GLY 101, 102, PHY 211, 212, 225, PSY 355

Option 2.

This option is designed for students who intend to use the computer as a tool for industrial or business and information systems applications. CSC 121, 133, 221, 233, 241, 242, 332, 334, 360, 455; MAT 161, 162; STT 215; six additional hours at the 300 or 400 level in comput-

er science, mathematics, or statistics approved by the advisor; ACG 201, 203; ECN 221, 222; FIN 335; MGT 350; MKT 340; PDS 314.

Note: Students interested in the degree program in computer science are encouraged to begin their mathematics study with Calculus I (MAT 161). Initial placement in mathematics is based on high school background and the Mathematics Placement Test. Students not prepared for calculus in their first semester should begin with MAT 115 or 111-112, as appropriate.

Requirements for a Minor in Computer Science: CSC 121, 133, 221, 332, and six additional CSC hours at the 200 level or above, including at least three at the 300-400 level. An overall quality point average of 2.00 or better is required for all courses counted toward the minor.

MATHEMATICS

Requirements for the Major in Mathematics: The Department of Mathematical Sciences offers both the B.A. and B.S. degrees in mathematics. The curriculum for each degree includes several options designed to meet students' various personal and career goals and which reflect career opportunities in the mathematical sciences.

The requirements for both the B.A. and B.S. degrees in mathematics consist of some common core courses and fulfillment of the requirements of one of several options.

It is strongly recommended that each student majoring in mathematics either complete a minor in a discipline that applies mathematics or elect advanced coursework involving mathematical applications in another discipline. A list of recommended courses in biology, chemistry, computer science, earth sciences, economics, physics, production and decision sciences, psychology, sociology and statistics is available in the department office. For the teacher certification option, the certification requirements fulfill this recommendation. A student who plans to pursue graduate study in mathematics is urged to take MAT 411-412.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in mathematics a student must successfully complete MAT 346 or any other approved oral intensive course (see list on page 106).

Requirements for a Major in Mathematics for the B.A. degree: The B.A. degree options are designed with the goals of a broad liberal education in mind. Certified secondary school teachers with a B.A. in mathematics are in high demand, as are qualified applicants for graduate schools in mathematics. Additionally, a B.A. degree in mathematics is regarded as excellent preparation for entrance to professional schools of law, medicine or business.

Core requirements: MAT 161-162, 261, 275, 335, STT 262 and PHY 201. In addition, a student must fulfill the requirements of one of the following options:

Option 1. Mathematics: This option is designed to provide the greatest flexibility to allow a student to achieve personal educational goals or to combine a mathematics major with a minor. In addition to the core requirements, the student must complete: one of CSC 111, 112, 121; MAT 336; MAT 366 or 411; and 15 additional hours in mathematics at the 300-400 level, including either one of MAT 337, 367, 412, 415, 421, 457, or a two-course sequence approved by the chair of the Department of Mathematical Sciences. Recommended areas related to mathematics: biology, chemistry, computer science, earth sciences, economics, physics, production and decision sciences, psychology, sociology, statistics.

Option 2. Teacher Certification in Mathematics. This option is designed to prepare students to teach mathematics at the secondary level. For details on certification requirements, see the section of this catalogue under Watson School of Education. In addition to the core requirements, the student must complete: one of CSC 111, 112, 121; MAT 336, 345, 346; 366 or 411; STT 362; and three additional hours in mathematics at the 300-400 level.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. degree in mathematics a student must successfully complete MAT 495 or MAT 471.

Requirements for a Major in Mathematics for the B.S. degree: The B.S. degree options are designed to provide flexibility and adequate preparation for graduate school, while emphasizing mathematical reasoning, modeling, and problem solving, all within the context of preparing the student for a career in mathematics in business, industry, government, or academia. Recommended courses in areas related to mathematics provide the requisite experience and practice in mathematical applications.

Core requirements: MAT 161-162, 261, 335, either 471 or 495, and STT 262. Each student must fulfill the requirements of one of the following options.

Option 1. Mathematics. This option provides a broad, traditional perspective of mathematics and its scientific application in addition to depth of study in several areas of mathematics. In addition to the core requirements, the student must complete: one of CSC 111, 112, 121; MAT 275, 336, 361; either 366-367 or 411-412; either 321 or 375; one of 345, 425, 451, 457 or STT 362; PHY 201-202; and six additional hours of electives in the Mathematical Sciences Department at the 300-400 level. Recommended areas related to mathematics: biology, chemistry, computer science, earth sciences, economics, physics, production and decision sciences.

Option 2. Applied Mathematics. This option emphasizes analytical methods and the use of differential equations in mathematical modeling. Career opportunities in business, industry, government and academia involve applications primarily in the natural sciences and engineering. In addition to the core requirements, the student must complete: CSC 111 or 121; MAT 336, 361, 366-367; PHY 201-202; and 15 additional hours of mathematics or statistics at the 300-400 level including nine hours selected from: MAT 415, 418, 419, 425, 457, 463, 465, 475. Recommended areas related to mathematics: biology, chemistry, computer science, earth sciences, economics, physics.

Option 3. Operations Research. This option emphasizes the use of combinatorial, algebraic and probabilistic methods in mathematical modeling and provides a scientific approach to optimal decision making. Career opportunities in business, industry and government usually involve optimizing a specific management objective such as profit or the scheduling of people or equipment often subject to constraints of scarce resources such as capital or facilities. In addition to the core requirements, the student must complete: one of CSC 111, 112, 121; MAT 275, 336, 375, 435; 366 or 411; either 436 or 465; STT 362; one of PHY 201, ECN 321, PDS 314; and nine additional hours of electives in the Mathematical Sciences Department at the 300-400 level. Recommended areas related to mathematics: computer science, economics, production and decision sciences.

Option 4. Statistics. This option emphasizes the foundation, practice and application of statistics. Career opportunities in business, industry, government and academia involve statistical analysis and quality control. In addition to the core requirements, the student must complete: CSC 111 or 121; MAT 336; 366 or 411; STT 362, 440, 466-467; six additional hours of mathe-

matics electives at the 300-400 level; and nine additional hours of statistics electives at the 300-400 level. Recommended areas related to statistics: biology, computer science, earth sciences, economics, psychology, sociology and anthropology, production and decision sciences.

An overall average of 2.00 or better is required for all 300-400 level mathematics or statistics courses counted toward the major.

Note: Students interested in a degree program in mathematics are encouraged to begin their mathematics study with Calculus I (MAT 161). Initial placement in mathematics is based on high school background and the Mathematics Placement Test. Students not prepared for calculus in their first semester should begin with MAT 115 or 111-112, as appropriate.

Requirements for a Minor in Mathematics: MAT 161-162 and at least 12 hours selected from mathematics courses numbered 261 or higher, or STT 262 or STT 362. These hours must include one of the following: MAT 261, 275 or 335. At least six hours must be from coursework at the 300 or 400 level. An overall quality point average of 2.00 or better is required for all courses counted toward the minor.

STATISTICS

Requirements for a Minor in Statistics: MAT 151-152 or 161-162; STT 262 and 362, and at least nine additional hours in statistics at the 300-400 level. An overall quality point average of 2.00 or better is required for all courses counted toward the minor.

For the requirements for a bachelor of science degree with an option in statistics, see the requirements for the major in mathematics, B.S. Option 4.

MUSIC

World-Wide-Web URL: http://www.unc.wil.edu/music

Dr. F. Bongiorno, *chair.* Dr. Errante, Ms. Heller, Dr. Hickman, Dr. Martin, Mr. McLamb, Mr. Nathanson, Dr. Rack, Dr. Salwen.

The Department of Music offers three curricula for undergraduates who major in music. The Bachelor of Arts in Music - General Music Option provides a broad education in the liberal arts as well as more specialized training in music theory, history and literature, and performance. The Bachelor of Arts in Music - Performance Option puts emphasis on training in music performance, enhanced by studies in music theory, music history and literature, and pedagogy, balanced by as rich an experience in the liberal arts as the program will allow. The Bachelor of Music in music education degree emphasizes music pedagogy and qualifies the student for the North Carolina Class A teaching certificate while also providing the requisite background in music theory, history and literature, and performance.

Prospective undergraduate music majors must apply to and be admitted by both the university and the Department of Music. A Music Admission Audition form must be submitted to the Department of Music. The application deadline is April 15. Admission to the Department of Music is determined by an acceptable level of performance as demonstrated through a personal audition in the applicant's principal applied performance area. A satisfactory audition is required of all entering freshmen. Tape recorded auditions are acceptable if distance or scheduling conflicts do not permit a personal audition on one of the regularly scheduled audition dates. Contact the Department of Music for audition application forms, dates, guidelines and additional information: Department of Music, (910) 962-3390, fax (910) 962-7106, or by mail at the university address. Admission to the performance and to the music education options also requires consent of the music faculty, as represented by the program coordinator.

An overall "C" (2.00) average is required in all courses used to fill music degree requirements.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. in music and music education a student must successfully complete MUS 495 or any other approved oral intensive course (see list on page 106).

Core requirements common to all music curricula: MUS 101, MUSL 101, MUS 102, MUSL 102, MUS 201, MUSL 201, MUS 300, MUSL 300, MUS 351, MUS 352. All music majors must pass the appropriate piano proficiency examination and the listening repertory examinations. Proficiency examination and listening repertory examination requirements are stated in the latest edition of the Department of Music Student Handbook. All students are expected to make regular progress toward completion of those requirements.

General Music: In addition to the core requirements, the general music student will be required to complete 10 hours of applied music in the principal area and to demonstrate upper-divisional proficiency in the applied area; four semesters of class piano (MUS 141, 142, 241, 242); six hours of music ensemble, of which three hours must be at the 300-level. (Keyboard students may substitute up to two hours of MUS 182 and/or 131. Guitar majors may substitute up to two hours of MUS 131); MUS 496; and 6-15 hours of additional music electives, of which at least three hours must be at the 300-400 level. The balance of the academic credits which may apply for graduation must be outside of music.

Performance: The Performance option requires, among the curricula, the highest standards in performance and offers the most credits for applied music. Admission to the performance option is reserved for students who demonstrate to the faculty outstanding potential for a career in music performance, and, accordingly, is restricted to those selected by the faculty for the performance option.

In addition to the core requirements listed above, the following courses are required of all performance option students: Music Theory (five hours): MUS 301 and the choice of MUS 302, 303, 306 or 307; music history (six hours): MUS 361, 362, 363; 22 hours of applied music in the principal area (at least 12 hours at the 300 level); MUS 393 (one hour) and 493 (one hour), and eight hours of music ensemble, at least four of which must be at the 300-level.

Each music performance option student also must choose one emphasis from among those listed below and fulfill the requirements specific to that emphasis:

1. Vocal Performance: MUS 285, 286, 271, 272, 273, 379, and nine hours of free electives, at least six of which must be non-music courses. Vocal performance majors are required to demonstrate proficiency in French, German, or Italian language at the level of our language department course 102.
2. Keyboard Performance: Six hours of secondary applied music (not to include class piano); MUS 285, 275 or 276; MUS 375 or 376; and 10 hours of free electives of which at least six must be non-music courses. Those interested in a career in keyboard pedagogy are advised to take both 275 and 276 (Pedagogy) and both 375 and 376 (Keyboard Literature). These students may also elect MUS 475 (Practicum in Applied Teaching).
3. Instrumental Performance: MUS 285, 286, 371, and 13 hours of free electives, at least six of which must be non-music courses.
4. Jazz Performance: MUS 235, 236, 285, 308, 365, 372. In addition, students will be required to enroll in at least three semesters of a major ensemble other than MUS 184, or 384. Must complete seven hours of music electives not used elsewhere in this program.

Music Education: In addition to the core requirements listed above, the music education major must complete 14 hours (seven semesters) of applied music in the major applied instru-

ment, with not less than six hours (three semesters) at the 300 level. Each student in the Music Education program is required to be in at least one music ensemble during each semester that he/she is in residence. Vocal music education majors are required to pass a guitar proficiency examination or MUS 143 (Class Guitar) and instrumental music education majors are required to pass a voice proficiency examination or MUS 146 (Class Voice). All proficiency examinations and admission to upper-divisional applied music study are prerequisite to formal admission into the teacher education program in music. Other requirements for admission to the Teacher Education Program may be seen in the catalogue under the Watson School of Education.

Other required courses for the Music Education program are:

Music Methods
MUS 243 String Class 1
MUS 245 Woodwind Class 1
MUS 247 Brass Class 1
MUS 249 Percussion Class 1
MUS 225 Intro to Music Education 1
MUS 326 Classroom Music Methods 3
MUS 331 Measurement and Evaluation in Music Education 2
MUS 373 or 377 Instrumental or Choral Methods 3

Other Music Courses
MUS 285, 286 Conducting 2, 2
MUS 301 Form Analysis 3
MUS 306 Orchestration and Arranging 2
MUS 393 Junior Recital 1

Watson School of Education Requirements

Pre-professional Studies
PSY 223 Life Span Human Dev. 3
EDN 200 Teacher, School and Society 3
EDNL 200 Field Studies 1
EDN 203 Psychological Foundation of Teaching 3

Professional Studies
EDN 340 or 356 Reading Foundations K-6
or
Reading in the Secondary School 3

The Professional Semester
EDN 409* Practicum 12

*Music Education majors are not required to take Education 408 during the professional semester.

Requirements for a Minor in Music: MUS 101, 102, MUSL 101, 102, MUS 351, 352; three semester hours of ensemble (MUS 131, 183, 184, 185, 186, 187); six semester hours of applied music in the major performance medium (MUS 195, 196, 197); three semester hours of music electives. An overall GPA of 2.00 or better is required in courses counted toward the minor. Admission to the program requires approval by the Department of Music and an audition in the major performance medium.

Requirements for a Minor in Jazz Studies: MUS 101, 102, MUSL 101, 102, MUS 116, 235; three semester hours of ensemble (MUS 184); six semester hours of applied music in the major performance medium (MUS 195, 196, 197); four semester hours of electives to be chosen from MUS 236, 308, 365, 372, 384, 395, 396, 397. Courses counted toward a major in music (i.e., MUS 101, 102, MUSL 101, 102) cannot be counted toward completion of minor requirements. Six additional hours of electives may be chosen to fulfill minor requirements for music majors. An overall GPA of 2.00 or better is required in courses counted toward the minor. Admission to the program requires approval by the Department of Music and an audition in the major performance medium.

NATIVE AMERICAN STUDIES
(Interdepartmental)

Dr. L. Schweninger, *coordinator.*

The College of Arts and Science offers an interdisciplinary minor in Native American studies (NAS) which focuses on the history, cultures, religions, arts, and literatures of American Indians.

Requirements for a Minor in Native American Studies: Core: ANT 215, HST 349, and ENG 356. Electives: nine additional credits from ANT 304, ANT 305, ANT 307; HST 350, P&R 350, or any appropriate special topics course or seminar as offered, with the approval of the NAS minor coordinator. The minor requires a total of 18 hours. Students must earn at least a "C" average in courses counted for a minor in Native American studies. Courses taken to fulfill major requirements cannot be used to fulfill requirements for the minor in Native American studies.

PHILOSOPHY AND RELIGION

World-Wide-Web URL:http://www.uncwil.edu/p&r/

Dr. W. Conser, *chair.* Dr. Altrichter, Dr. Gauthier, Dr. Habibi, Dr. McGowan, Dr. Megivern, Dr. Murrell, Dr. Schmid, Dr. Thysell, Dr. Turrisi, Dr. Wilson.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in philosophy and religion a student must successfully complete P&R 400.

Requirements for a Major in Philosophy and Religion for the B.A. degree:

I. B.A. degree with emphasis in Philosophy: P&R 101, 103, 110, 115, 201, 202, 400, and 15 additional hours including at least nine at the 300-400 level.

II. B.A. degree with emphasis in Religion: P&R 101, 103, 110, 125, 230, 232, 400; two courses from 235, 236, 238, 240, 245, 246, 247, or 248; nine additional hours at the 300-400 level.

Requirements for a Minor in Philosophy: P&R 101, 110, 115, and 201 or 202; an additional nine hours in philosophy courses at the 300-400 level. An overall "C" average in courses counted toward the minor.

Requirements for a Minor in Religion: P&R 103, 125, 230, 232; an additional nine hours in religion courses at the 300-400 level. An overall "C' average in courses counted toward the minor.

PHYSICAL EDUCATION

(See Health, Physical Education, and Recreation)

PHYSICS

World-Wide-Web URL: http://pootie.phy.uncwil.edu/

Dr. E. Olszewski, *chair.* Dr. Alexanian, Dr. Bingham, Dr. Clator, Dr. Davis, Dr. Hernandez, Dr. Moss.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in physics a student must successfully complete PHY 495 or any other approved oral intensive course (see list on page 106).

Requirements for a Major in Physics for the B.A. degree: PHY 201-202, 260, 321, 335, 400, plus six hours of physics course electives at the 300-400 level; CHM 101-102; MAT 161-162 and 261. Physics majors working toward certification for secondary school teaching must also complete Teacher Education Program requirements. Teacher certification requirements are established at the state level and may be changed by the state at any time. A "C" or better on each physics course.

Requirements for a Major in Physics for the B.S. degree: PHY 201-202, 311, 321-322, 335, 400 (for three credit hours), 411-412, 444, 455, 495 (for one credit hour); CHM 101-102; MAT 161-162, 261, 335, and 361. A grade of "C" or better is required in each physics course counted toward the major.

Requirements for Teacher Certification in Physics: In addition to completing the requirements for a degree in physics (see above) and the other requirements of the Teacher Education Program, the following courses are also required for certification: BIO 110; GLY 120.

Note: Students interested in the B.S. degree in physics are advised to take the PHY 201-202 sequence in the freshman year.

Requirements for a Minor in Physics: PHY 201-202, 335 and six additional hours in physics, not to include PHY 101, 102, or 105; at least three of these additional hours must be at the 300-400 level. A grade of "C" or better is required in each physics course counted toward the minor.

POLITICAL SCIENCE

Dr. E. Sheridan, *chair.* Dr. Ahmad, Dr. Johnston, Dr. Jones, Dr. Kleinberg, Dr. Lowery, Dr. Meinhold, Ms. Wang.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in political science a student must successfully complete PLS 495 or any other approved oral intensive course (see list on page 108).

Requirements for a Major in Political Science for the B.A. degree: 39 hours of political science which must include 101, 111, 201, 212, 220, 230 and 401. A total of 18 hours must be at the 300-400 level. A minimum GPA of 2.00 required in all political science courses. Students planning to do graduate work are encouraged to study a modern foreign language and to acquire a basic knowledge of computer science, statistics and calculus.

Political science majors seeking certification in social studies must complete a total of 21 hours collateral including HST 101, 102, 103, 201, and 202, and at least one course in each of the following areas: economics, geography, and sociology/anthropology.

For information on the Teacher Education Program admissions criteria and the courses required for licensure (eg. certification) in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for a Minor in Political Science: 24 hours in political science with at least 12 hours selected from 300-level courses or above. Courses to be distributed as follows: PLS 101, 111; at least one course in American government and politics (300, 301, 302, 303, 304, 305, 307, 308, 309, 316, 340, 405, 406, 407); at least one course in political theory and methodology (310, 312, 313, 314, 315, 411, 415); at least one course in international relations (422, 423,

425, 426, 427); at least one course in comparative government and politics (330, 331, 335, 336, 338, 339).

PORTUGUESE

(See Foreign Languages and Literatures)

PSYCHOLOGY

Dr. L. Jackson, *chair.* Dr. Applefield, Dr. Bradley, Dr. Brown, Dr. Bruce, Dr. Cohen, Dr. Dworkin, Dr. Galizio, Dr. Hakan, Dr. Johnson, Dr. Keith, Dr. Kishton, Dr. Kowal, Dr. Lamb, Dr. Lecci, Dr. Loren, Dr. MacKain, Dr. Noel, Dr. Overman, Dr. Pilgrim, Dr. Pitts, Dr. Puente, Dr. Sawrey, Dr. Shirley, Dr. Simmons, Dr. Williams.

Students may declare a major in psychology after completion of PSY 105 with a grade of "C" or higher and with an overall grade point average of 2.30 or higher, and completion of BIO 105 or 206, and MAT 111 or more advanced mathematics courses with grades of 2.00 (C) or higher.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in psychology a student must successfully complete PSY 405.

Requirements for a Major in Psychology for the B.A. degree: PSY 105, 225, 355, 405, one course from each of the five categories listed below, and 12 additional hours in PSY courses at the 300-400 level. PSY 210, 245 or 265 may be substituted for three of these hours. Category 1: PSY 220, 221, 223, 320 or 324. Category 2: PSY 410, 412, or 417. Category 3: PSY 418, 456 or 457. Category 4: PSY 346, 347 or 365. Category 5: PSY 350, 352, 425, or 465. A grade of "C" or better is required in PSY 105, and no more than one course with a grade of "D" can count toward the requirements for a major in psychology. There also must be a "C" (2.00) or better average on all courses counted towards the major. Additional requirements for the major include a course selected from BIO 105 or BIO 206 and a "C" or better in MAT 111 or more advanced mathematics course.

RECREATION

(See Health, Physical Education and Recreation)

RELIGION

(See Philosophy and Religion)

SCIENCE, THE HUMANITIES AND SOCIETY

(Interdepartmental)

Dr. P. Turrisi, *coordinator.*

The College of Arts and Science offers an interdisciplinary minor in science, the humanities and society (SHS) which focuses on an understanding of why and how scientific research is done and an appreciation of complex scientific, technological and societal problems and achievements within a philosophical and historical context.

Requirements for a Minor in Science, the Humanities and Society: Core: SHS 110, HST 275, and P&R 345. Electives: 12 additional credits of designated SHS courses are required to complete the minor. Six credits must be from a single department, the other six credits must be from two other departments. Six of the 12 credits must be at the 300 or 400 level. Students should contact the coordinator in the Department of Philosophy and Religion for a list of current designated courses.

SOCIAL WORK

(See Sociology and Anthropology)

SOCIOLOGY AND ANTHROPOLOGY

Dr. C. Willis, *chair.*

The Department of Sociology and Anthropology is comprised of anthropology, criminal justice, social work and sociology. The B.A. degree is offered in anthropology, criminal justice, and sociology, and the B.S.W. degree in social work.

ANTHROPOLOGY

Dr. Baptista, Dr. Lerch, Dr. Loftfield, Dr. McCall, Dr. Morden, Dr. Sabella.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in anthropology a student must successfully complete COM 110.

Requirements for a Major in Anthropology for the B.A. degree: ANT 206, 207, ANTL 207, ANT 210, 345, 450 and 21 additional hours comprised of two courses from each of the first three subfields listed below and either an elective from the linguistics group or a third course from one of the first three subfields. Physical: 320, 322, 324, 326, 430. Archaeology: 307, 311, 411, 412, 455. Cultural: 301, 302, 303, 304, 305, 306, 309, 317, 350, 387. Linguistics: ANT 208, PSY 311, ENG 320, 322. Students contemplating a professional career in anthropology are urged to study a foreign language and acquire basic skills in computer science and statistics. Anthropology advisors may recommend additional courses in the sciences, humanities, or mathematics commensurate with individual career plans. A "C" grade point average is required in anthropology courses, and at least a "C" grade is required for specific courses used to satisfy any of the requirements listed above.

Requirements for a Minor in Anthropology: ANT 206, 207, 210, and 12 additional hours at least six of which are at the 300-400 level. ANTL 207 may be taken as an elective but is not required. In selecting the courses to fulfill the minor requirements, students are strongly encouraged to consult with the anthropology faculty. A "C" grade point average is required among anthropology courses used to satisfy the above requirements.

CRIMINAL JUSTICE

Dr. Adams, Dr. Evans, Dr. LaGrange, Dr. Lynch, Dr. Marciniak, Dr. Snowden, Dr. Willis.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in criminal justice a student must successfully complete CRJ 110 or COM 110.

Requirements for a Major in Criminal Justice for the B.A. degree: CRJ 105, 210, 220, 230, and 450 (15 hours); SOC 105, 301, 302, and 360 (12 hours); any two of SOC 315, 325, 335, 340, 355, 375, 380, or 449 (6 hours); and any three of CRJ 110, 294, 310, 315, 370, 380, 405, 410, 415, 420, 490 and CRJL 490, or 495 (9 or 10 hours). An overall grade point average of 2.00 or better is required among criminal justice and sociology courses used to satisfy the major.

SOCIAL WORK

Dr. J. Nasuti, *director.* Dr. Blundo, Dr. Desselle, Dr. Rath

The primary mission of the social work program is to prepare students for beginning level, generalist social work practice in a variety of public and private social service agencies that are responsible for improving the well-being of individuals, family groups, and communities. Students may apply for admission to the social work program after completing SWK 235, 240, and 320 with a grade point average (for those courses) of at least 2.30. Students have to be admitted to the Social Work program before enrolling in social work courses numbered above 330.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S.W. degree a student must successfully complete COM 110.

Requirements for a Major in Social Work for the B.S.W. degree: SWK 235, 240, 306, 307, 320, 321, 341, 355, 435, 442, 443, 496, and 497; and one of the following: SWK 310, 311, 315, or 318 (48 hours). Additional courses required: SOC 105, PSY 105, BIO 105 or BIO 240, PLS 101. Students are required to earn a grade of "C" or better in all required social work courses and a grade point average of 2.00 or better in all prerequisite and collateral courses required for the major.

SOCIOLOGY

Dr. Bullers, Dr. Covan, Dr. Dixon, Dr. Faulkner, Dr. King, Dr. Levy, Dr. McDaniel, Dr. McNamee, Dr. Miller, Ms. Veit.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in sociology a student must successfully complete SOC 490.

Requirements for a Major in Sociology for the B.A. degree: SOC 105, 301, 302, 360, 406, 490; one course from each of the five categories listed below; and nine additional hours of sociology courses. Category 1 (social institutions): SOC 200, 303, 337, 344, 345, 346, 347. Category 2 (socialization and the life course): SOC 220, 336, 348, 349, or 365. Category 3 (population and ecology): SOC 205, 230, 305, 315, 340, 416, 438, 485. Category 4 (social inequality and social change): SOC 325, 326, 350, 366, 380, 486. Category 5 (deviance and social control): SOC 215, 335, 355, 375, 433, 449. A maximum of nine hours below the 300 level may be used to satisfy the above requirements. An overall grade point average of 2.00 or better is required among sociology courses used to satisfy the major.

Requirements for a Minor in Sociology: SOC 105; one course from each of the five categories listed below; and three additional hours of SOC. Category 1 (social institutions): SOC 200, 303, 337, 344, 345, 346 or 347. Category 2 (socialization and the life course): SOC 220, 336, 348, 349 or 365. Category 3 (population and ecology): SOC 205, 230, 305, 315, 340, 416, 438, or 485. Category 4 (social inequality and social change): SOC 325, 326, 350, 366, 380, or 486. Category 5 (deviance and social control): SOC 215, 335, 355, 375, 433, or 449. A maximum number of six hours below the 300 level may be used to satisfy any of the above requirements. Also, an overall grade point average of 2.00 or better is required among all sociology courses used to satisfy the minor.

SPANISH

(See Foreign Languages and Literatures)

STATISTICS

(See Mathematical Sciences)

THEATRE

(See Art and Theatre)

WOMEN'S STUDIES

(Interdepartmental)

Dr. J. Ellerby, *coordinator.*

Requirements for a Minor in Women's Studies: Students must select six-nine semester hours from the designated core courses and additional hours from the designated electives (see lists below) to total at least 18 semester hours. Students must select from at least three different disciplines when choosing electives. Up to three semester hours of Directed Individual Study, approved by the program coordinator, may be included as electives. Core courses: ANT 303, ENG 230, HST 237, P&R 225, SOC 350. Electives: CLA 330, ENG 373, HEA 205, HST 330, HST 483, PLS 316, PSY 366, SOC 345

DEGREE REQUIREMENTS

CAMERON SCHOOL OF BUSINESS

Howard O. Rockness, *dean*
Vince Howe, *associate dean*
William W. Hall, *director,* Center for Business and Economic Services
L. Drew Rosen, *director,* MBA Program
Joanne W. Rockness, *director,* MSA Program

The Cameron School of Business is a comprehensive business school offering undergraduate degrees in accountancy, economics, finance, management, marketing, and business systems, as well as a Master of Business Administration and a Master of Science in Accountancy. The school is committed to the highest quality business education for our students. Its primary goal is to enable students to discover how to learn and, in the process, to instill both the desire and capacity for lifelong learning and development. Its first priority is excellence in teaching.

The school works continuously to maintain a vibrant curriculum which focuses on application of concepts as well as theoretical development. It maintains a scope which includes regional, national, and international perspectives within an evolving global business community. The school strives for balance in the teaching of knowledge about business management and management perspectives, analytical and interpersonal skills, as it prepares students to make the transition to socially responsible citizenship. To that end, the school encourages intellectual curiosity; creative, rational, and ethical thinking; and thoughtful oral and written expression.

The school encourages the continuous improvement of teaching methods in order to maintain its competitive advantage, and to enhance its several strengths: small classes; knowledgeable and experienced faculty; concerned and caring counseling by an approachable and accessible faculty and staff; and vigorous interactive involvement of faculty and staff as well as students in the learning process. The school encourages and supports applied and theoretical research to strengthen teaching and to contribute to the extension of knowledge in its disciplines. Through research, publication, participation in programs of professional organizations, and other scholarly activity, faculty members remain current and sustain their intellectual vigor, both in and out of the classroom.

The school seeks to contribute to the economic development of the region by providing programs and services to the local and regional business community. Through strengthening ties with the business community, the school stimulates awareness of available programs and services, and ensures that such programs and services remain responsive to the needs of the region.

DEGREE PROGRAMS AND REQUIREMENTS

The B.S. degree is offered with majors in six areas:

Accountancy	Business Management
Finance	Marketing
Economics	Business Systems

The B.A. degree with a major in economics is offered for those students who want to study economics in the liberal arts tradition. An international business option is available within the business management major.

REQUIREMENTS FOR ADMISSION

Requirements for admission to the Cameron School of Business are listed on page 114. Each applicant must have completed a minimum of 44 semester hours with a cumulative grade point average of 2.20 or better, with the following courses completed at the time of application: ENG 101-102, or 103, MAT 111 or 115, *ACG 201, ECN 221.

During the semester of application each applicant must be enrolled in or have completed: MAT 151 or 161, ECN 222, *PDS 217, *ACG 203.

*Students enrolling in the B.A. program in economics are not required to complete ACG 201 or 203 and may substitute STT 205 or 215 for PDS 217.

Students may not enroll in restricted courses nor enroll in more than 15 semester hours within the school beyond preadmission courses without being formally admitted to the school.

REQUIREMENTS FOR THE B.S. DEGREE

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. degree in accountancy, business management, business systems, economics, finance and marketing a student must successfully complete MGT 455.

Students may qualify for the B.S. degree by:

(1) Successful completion of requirements as stated under University Regulations on page 81;
(2) Attaining a minimum grade point average of 2.00 on all courses attempted in the Cameron School of Business;
(3) Successful completion of the courses designated for the degree program:
   (a) Basic Studies (45 semester hours): Completion of a basic studies program as defined on pages 104-106 of this catalogue. Students seeking the B.S. degree must include MAT 111 and 151 (or the equivalent) and ECN 221-222 in their basic studies program under categories (E,2) and (F), respectively.
   (b) Cameron School of Business Core Requirements (37 semester hours): All candidates for the B.S. degree must complete the following core requirements: ACG 201-203, and ACGL 201; PDS 217; BLA 361; ECN 324; MGT 350; MKT 340; FIN 335; PDS 313, PDS 314, PDS 317; MGT 455.
   (c) Major Courses: Each candidate for the B.S. degree must complete one of the following groups of courses for a major:

ACCOUNTANCY (21 semester hours): ACG 301-302, ACG 305, ACG 306, ACG 404, ACG 407, plus one course from ACG 307, ACG 403, ACG 405, ACG 410 and BLA 461. Students planning to write the CPA examination are advised that most states require 150 semester hours of course work to be licensed to practice as a Certified Public Accountant. Students with a four-year degree who wish to sit for the CPA Exam in North Carolina should complete the following elective courses: ACG 403, ACG 405, and BLA 461.

BUSINESS MANAGEMENT (18 semester hours): MGT 356, MGT 358, MGT 450, plus three courses from MGT 352, MGT 353, MGT 354, MGT 357, MGT 451, MGT 453, MGT 456, MGT 495; BLA 461.

International Business Option: ECN 326, ECN 426; MGT 352, MKT 442, and <u>two</u> courses (with advisor's approval) from the CSB International Committee's suggested list. Oral and written competence in a foreign language is required.

General Business Option: Students taking night classes because of daytime work requirements can (with the approval of the Dean's Office) select six additional three-hour credit CSB undergraduate courses numbered above 299. The selected courses are in lieu of the business management major requirements.

BUSINESS SYSTEMS (18 semester hours): PDS 318, PDS 414, one PDS course numbered above 299, and either Option (1) Information Systems: PDS 315, PDS 413, PDS 415; or Option (2) Production Systems: PDS 319, PDS 417, PDS 419.

ECONOMICS (18 semester hours): ECN 321-322, ECN 328, ECN 495, plus two courses (one of which must be numbered above 399) from ECN 323, ECN 325, ECN 326, ECN 329, ECN 421, ECN 422, ECN 426, ECN 427, ECN 428, ECN 433.

FINANCE (18 semester hours): FIN 330, FIN 336, FIN 436, plus one of FIN 430, FIN 433, FIN 437, or FIN 439, and two courses (one of which must be numbered above 399) from FIN 331, FIN 332, FIN 430, FIN 431, FIN 433, FIN 437, FIN 438, FIN 439, FIN 495.

MARKETING (18 semester hours): MKT 341, MKT 349, MKT 445, plus three courses from MKT 344, MKT 346, MKT 347, MKT 348, MKT 442, MKT 447, MKT 448, MKT 495.

(d) Elective Courses: completion of elective courses sufficient to complete a minimum of 124 semester hours of course credit. Electives are to be chosen by the student after consulting with the faculty advisor, with no more than nine semester hours of electives selected from courses in the Cameron School of Business.

(4) Students seeking the B.S. degree with a major in accountancy must also earn a minimum grade point average of 2.00 on all accounting courses attempted in the Cameron School of Business.

(5) Students seeking the B.S. degree with a major in business systems must also earn a minimum grade of C- in all production and decision sciences (PDS) courses in the Cameron School of Business.

Students seeking the B.S. degree in the Cameron School of Business are encouraged to plan their schedules to include the following:

First Year:	Fall - ENG 101 or 103, and MAT 111 or 115
	Spring - ENG 102 or 103, and MAT 151 or 161
Second Year:	Fall - ACG 201, ACGL 201 and ECN 221
	Spring - ACG 203, ECN 222, and PDS 217.

REQUIREMENTS FOR THE B.A. DEGREE IN ECONOMICS

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in economics a student must successfully complete ECN 495.

Students may qualify for the B.A. degree by:

(1) Successful completion of requirements as stated under University Regulations on page 81;

(2) Attaining a minimum grade point average of 2.00 on all economics courses attempted in the Cameron School of Business; and

(3) Successful completion of the courses designated for the degree program:

(a) Basic Studies (45 semester hours): Completion of a basic studies program as defined on pages 104-106 of this catalogue. Students seeking the B.A. degree must include MAT 111 and 151 (or the equivalent) and ECN 221-222 in their basic studies program under categories (E,2) and (F), respectively.

(b) Major Courses (27 semester hours): PDS 217, or STT 205, or STT 215; ECN 321-322, ECN 324, ECN 326 or 421, ECN 328, ECN 495, plus six additional semester hours in economics courses numbered above 299.

(c) Collaterals (21 semester hours): 21 semester hours from at least two of the following: anthropology, geography, history, political science, psychology, sociology. A minimum of six hours must be taken in at least two areas, and at least nine hours must be courses numbered above 299.
(d) Electives (31 semester hours): Elective courses selected after consultation with the student's academic advisor.

ACCOUNTANCY AND BUSINESS LAW

Dr. J. Marts, *chair.* Mr. Appleton, Dr. J. Baker, Mr. Earney, Dr. Elikai, Mr. Hanson, Dr. Kaylor, Dr. Key, Dr. H. Rockness, Dr. J. Rockness, Mr. Roscher, Ms. Sawyer, Mr. Schenkel, Dr. J. Smith.

The Department of Accountancy and Business Law provides courses and other academic support for the B.S. degree with a major in accountancy.

The B.S. degree with a major in accountancy provides the student with the analytical foundation of the discipline of accountancy. Included are the special tools and techniques of planning and control using financial and managerial accounting, income taxes, cost analysis, and systems.

Students establish qualifications for careers in public accounting, industrial, governmental, and other positions requiring managerial and analytical skills. The accounting major provides an excellent background for graduate and other professional education.

The elements of planning, administration, and control covered in the accounting courses are essential to all areas of business. Many of the courses offered benefit students majoring in other fields by furnishing a comprehensive background of business procedures and financial relationships. Likewise, students majoring in accountancy find it advantageous to concentrate their elective courses in quantitative and computer information areas as well as communication and interpersonal areas.

A graduate of the Cameron School of Business who has completed a major in accountancy is qualified by the Institute of Management Accounting to write the CMA examination. A student graduating with an undergraduate degree with a major in accountancy is permitted by the North Carolina State Board of Accountancy to sit for the Uniform CPA Examination. However, students should be aware that in most states 150 hours of course work are required to be licensed as a CPA.

The courses in business law and legal environment provide the study of how the legal environment influences and is influenced by changing social and ethical values. Courses include study of administrative law and the Uniform Commercial Code as well as the organization and role of business enterprises in society and their relationships in government and society.

ECONOMICS AND FINANCE

Dr. L. Lawson, *chair.* Dr. David Carter, Dr. Denis Carter, Dr. Christophe, Dr. Copley, Dr. Farrell, Dr. Hall, Dr. Hill, Dr. Howell, Dr. Robinson, Dr. Sigler, Dr. Wadman.

The Department of Economics and Finance provides courses and other academic support for the B.S. degree with majors in economics and finance and the B.A. degree with a major in economics.

The economics and finance programs prepare students for careers which emphasize an understanding of the operation of the economy and the proper choice of policies by both government and business enterprises. The economics majors represent a more general area of

study, preparing the student to enter government service, or industry, or to pursue a graduate program in economics, business, public administration or other social science disciplines.

The B.S. degree with a major in economics is designed to provide orientation of the individual and the firm in economic society. The student is required to supplement the study of economics with a variety of business and accounting courses.

The B.S. degree with a major in finance consists of four separate but related areas—business finance, investments, financial institutions, and personal financial planning. The finance curriculum prepares students for graduate study and for careers in corporate financial management, the investments and securities business, and the management of banking and nonbank financial institutions. The generalized applicability of finance and the basic tools of financial analysis are emphasized in the courses.

The B.A. degree with a major in economics is designed for the student who wants to study economics in the liberal arts tradition. The study of a wide variety of economics courses is supplemented by a study of history and the social sciences. Both degree programs develop an understanding of contemporary economic problems and institutions and provide a study of economic issues both in an historical setting and under conditions of change.

MANAGEMENT AND MARKETING

Dr. T. Hunt, *chair.* Dr. Adams, Dr. T. Baker, Dr. Engdahl, Dr. Galbraith, Dr. Harper, Dr. Hoffman, Dr. Howe, Dr. J. Hunt, Dr. Keating, Dr. Latham, Dr. Porterfield.

The Department of Management and Marketing provides courses and other academic support for the B.S. degree with majors in business management and marketing. The management and marketing degree programs prepare students for careers in product and service organizations at the regional, national, or international level. Programs can also be tailored for students wishing to pursue careers in legal, government, and not-for-profit institutions. The management or marketing major is permitted some latitude in selecting courses and may choose various electives to design the most suitable program.

The management major may elect from such areas as human resource management, organization behavior, small-business management, hospitality management, and international management. Marketing majors may choose from several areas including sales management, promotions, marketing research, services marketing, retailing, distribution, and international marketing. International business students are strongly encouraged to participate in study abroad, exchange, and international internship programs.

PRODUCTION AND DECISION SCIENCES

Dr. A. Gowan, *chair.* Dr. Anderson, Dr. Badarinathi, Dr. Canel, Dr. Garris, Dr. Mathieu, Dr. Rosen, Dr. Schell, Dr. Wray, Dr. Zeng.

The Department of Production and Decision Sciences provides courses and other academic support for the B.S. degree with a major in business systems.

Each course in the department focuses on analytical approaches to decision making in business organizations. Core courses offered by the department and required of all students in the Cameron School of Business include statistical analysis, management science, management information systems, and production and operations management.

A major in business systems is designed to prepare students for positions as analysts in either management information systems or production systems. Business systems students will

enhance their understanding of and develop their skills with quantitative methods used to solve business problems. Those methods will be applied within a framework of systems concepts and will enable the student to approach and solve problems in a structured way.

Courses in the major depend heavily upon computer usage and will give students the opportunity to develop practical skills with computers. Students contemplating the degree in business systems are encouraged to take at least one introductory course in computer programming prior to applying for admission to the Cameron School of Business.

DEGREE REQUIREMENTS

WATSON SCHOOL OF EDUCATION

Robert E. Tyndall, *dean*
Carol Chase Thomas, *associate dean,* Academic Programs
Eleanor B. Wright, *associate dean,* Organizational Development and External Programs
Bradford L. Walker, *director,* Student Services

The Donald R. Watson School of Education is a community of scholars dedicated to teaching, learning, creating, and extending knowledge through research. The faculty strives to model effective teaching practices, provide a variety of understandings related to the field of education, encourage application of generalizations learned in field experience sites, enhance collaborative efforts with public and private school systems through a myriad of service activities, and contribute to the knowledge base by engaging in theoretical and applied research. Our mission is to produce competent and effective teachers and administrators for the public schools of our region, state, and nation.

The Watson School of Education offers programs of study leading to the Bachelor of Arts degrees in education of young children, elementary education, middle grades education, and special education, and programs leading to secondary (9-12) and special subjects (K-12) teacher licensure. In addition, graduate programs in elementary education, middle grades education, reading education, special education, curriculum/instruction supervision, school administration, and the Master of Arts in Teaching are offered.

Responsibility for the degree and licensure (i.e., certification) programs within the Watson School of Education is shared by the Department of Specialty Studies and the Department of Curricular Studies.

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson School of Education and to the Teacher Education Program. Admission is required before enrollment in education courses in the upper division (300 and 400 level). Requirements for admission are:

1. Completion of the university requirements in English, mathematics and a science laboratory course with a grade of "C" or better in each course.

2. Completion of EDN 200, "Teacher, School and Society", with a grade of "C" or better.

3. Completion of four semesters or two academic years of full-time college study or completion of required general studies program with a minimum overall grade point average of 2.50 on a 4.00 scale on work attempted at UNCW. Transfer students must earn a 2.50 on a minimum of 12 hours completed at UNCW.

4. Passing scores on teacher education entry tests specified and mandated by the Board of Education of the State of North Carolina.

(Note: Licensure requirements change, and program requirements must be adjusted to accommodate new mandated competencies and guidelines. Students must meet the Teacher Education Program requirements in place at the time of their eligibility for admission to the Watson School of Education. Similarly, they must meet the licensure requirements in effect, including mastery on Essential and Advanced Technology tests, at the time their applications are submitted to the North Carolina State Department of Public Instruction. Students are advised to check with their advisors or the associate dean's office to stay informed of programmatic changes.)

SPECIALTY STUDIES

Dr. W. Johnston, *chair.* Dr. Bachner, Dr. Bryan, Dr. Crawford, Dr. A. Hayes, Dr. Harkin, Dr. Howard-Vital, Dr. Kozloff, Dr. Martinez, Dr. Moallem, Dr. Mory, Dr. Nottingham, Dr. Rogers, Dr. Smith, Dr. Tyndall, Dr. Wetherill.

The Department of Specialty Studies provides basic professional education courses for the undergraduate programs in elementary, middle grades, secondary, special education, and special subjects (K-12) teacher licensure. The department also is responsible for the programs of study leading to the Master of School Administration, Master of Education in Curriculum/Instruction Supervision, and the Master of Arts in Teaching. The Master of Education, Master of School Administration, and the Master of Arts in Teaching programs are described in the Graduate School Catalogue.

CURRICULAR STUDIES

Dr. G. Burton, *chair.* Dr. Applefield, Dr. Bartolome, Ms. Chandler, Dr. H. Hayes, Dr. Huber, Dr. Jones, Dr. Kermani, Dr. LaNunziata, Dr. Lockledge, Dr. Steele, Dr. Thomas, Dr. Walker, Dr. Wright.

The Department of Curricular Studies is responsible for the programs of study leading to the bachelor of arts degrees in education of young children, elementary education, middle grades education, and special education. The department also is responsible for the graduate programs leading to the Master of Education in elementary education, middle grades education, reading education, and special education. These programs are described in the Graduate School Catalogue.

The Bachelor of Arts program in the education of young children leads to North Carolina teacher licensure in birth through kindergarten. The Bachelor of Arts program in elementary education leads to North Carolina teacher licensure in grades kindergarten through six. The Bachelor of Arts program in middle grades education leads to North Carolina teacher licensure in grades six through nine. The special education program prepares teachers to serve mildly handicapped children from kindergarten through grade 12 in public schools and in various other service agencies and leads to North Carolina teacher licensure in one of three areas of exceptionality: learning disabilities, mental retardation, and behaviorally/emotionally handicapped.

Each degree program is designed to meet North Carolina State Board of Education guidelines for teacher licensure and includes courses in basic studies, professional education and collateral areas, and a content specialization. Adjustments in program requirements are made as guidelines change. All programs offered by the Watson School of Education are accredited by the appropriate state, regional, and national accrediting agencies. It is anticipated that students will graduate within four years of admission to the university. Students may obtain specific information on recommended course sequences leading to timely graduation by contacting the appropriate academic advisor or the chair of the Department of Curricular Studies.

Competency in oral and written communications is considered to be particularly important for entry into the teaching profession. As a result, skills in oral and written communications are stressed in courses throughout the programs of study leading to teacher licensure, and are evaluated during the practicum semester. The culminating review and demonstration of oral language competencies are addressed in the following courses depending upon the student's licensure area: EDN 409 (secondary and allied programs), EDN 411 (elementary, middle grades, and special education programs), or EDN 465 (education of young children program).

DEGREE REQUIREMENTS FOR EDUCATION OF YOUNG CHILDREN

Basic Studies

Students should follow basic studies requirements of the University of North at Wilmington as outlined in a previous section of the catalogue.

Interdisciplinary Core

BIO	235	Genetics in Human Affairs
EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	303	Instructional Technology
HEA	201	First Aid, Safety, and Cardiopulmonary Resuscitation
HEA	207	Nutrition
PSY	220	Child Psychology
SOC	349	Sociology of Children and Childhood

Interdisciplinary Specialty

EDN	380	Child Observation and Assessment
EDN	382	Literacy Development in the Early Years
EDN	383	Conceptual Understandings of the Physical World
EDN	385	Field Experiences
EDN	430	Preschool Curriculum
EDN	450	Infant and Toddler Program Models
EDN	451	Adaptive Practices in Early Childhood
MUS	227	Music in Early Childhood
NUR	345	Health Maintenance Needs for Young Children
PED	350	Motor Behavior
PSY	320	Psychology of Infancy and Early Childhood
PSY	322	Psychology of Exceptional Children
SWK	311	Child Abuse and Neglect

Professional Semester

EDN	460	History and Administration of Preschool Education
EDN	465	Practicum in Education of Young Children (B-K)

NOTE: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in education courses, as well as all courses in the Interdisciplinary Specialty and the Professional Semester. Students may repeat courses in which they earn a grade lower than a "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for the practicum semester. A minimum of 124 semester hours are required for graduation.

DEGREE REQUIREMENTS FOR ELEMENTARY EDUCATION

Basic Studies

Students should follow basic studies requirements of the University of North Carolina at Wilmington as outlined in a previous section of the catalogue.

Professional Core

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
EDN	301	Instructional Design and Evaluation
EDN	303	Instructional Technology
PSY	223	Life Span Human Development

Professional Education

EDN	319	Meeting Needs of Special Students in Elementary Schools
EDN	322	The Teaching of Mathematics (K-6)
EDN	334	Social Studies Curriculum and Instruction (K-6)
EDN	336	The Teaching of Science and Health (K-6)
EDN	340	Reading Foundations (K-6)
EDN	344	Literature in the Elementary School (K-6) (or ENG 380)
EDN	348	The Teaching of Communication Arts (K-6)
HEA	304	Comprehensive School Health Education (K-5)
	or	
HEA	105	Individual Well-Being

Professional Semester

EDN	410	Seminar in Education (K-6)
EDN	411	Practicum (K-6)

NOTE: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional courses in the elementary program. Students may repeat courses in which they earn a grade lower than a "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 24 semester hours is required. A maximum of six semester hours of basic studies may be included in the academic concentration. Specific course requirements for the various concentrations may be obtained from the academic advisors in the Watson School of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, biology, chemistry, English, environmental studies, French, geography, geology, history, marine biology, mathematics, music, philosophy and religion, political science, psychology, sociology, Spanish, and theatre.

DEGREE REQUIREMENTS FOR MIDDLE GRADES EDUCATION

Basic Studies

Students should follow basic studies requirements of the University of North Carolina at Wilmington as outlined in a previous section of the catalogue.

Professional Core

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching

EDN 301 Instructional Design and Evaluation
EDN 303 Instructional Technology
PSY 223 Life Span Human Development
or
PSY 221 Adolescent Psychology

Professional Education
EDN 318 The Middle School
EDN 320 Meeting Needs of Special Students in Middle Schools
EDN 352 Developing Reading Competence in the Middle Grades

Two content methods courses from:
EDN 323, 335, 338, 355
Methods for mathematics, social studies, science, language arts

Additional Teaching Field: 18 hours as specified with courses from all disciplines related to the field. Fields are language arts, mathematics, science, or social studies.

Professional Semester
EDN 410 Seminar in Education (6-9)
EDN 411 Practicum (6-9)

NOTE: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional courses in the middle grades education program. Students may repeat courses in which they earned a grade of lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of at least 24 semester hours is required. Specific course requirements may be obtained from the academic advisors in the Watson School of Education. Academic concentrations may be selected from the following disciplines: biology, chemistry, English, environmental studies, geography, geology, history, mathematics, political science, and sociology.

DEGREE REQUIREMENTS FOR SPECIAL EDUCATION

Basic Studies

Students should follow basic studies requirements of the University of North Carolina at Wilmington as outlined in a previous section of the catalogue.

Professional Core
EDN 200 Teacher, School and Society
EDNL 200 Field Studies
EDN 203 Psychological Foundations of Teaching
EDN 301 Instructional Design and Evaluation
EDN 303 Instructional Technology
PSY 223 Life Span Human Development

Curricular Foundations

EDN 322 Teaching of Mathematics (K-6)
or
EDN 323 Teaching of Mathematics (6-9)
EDN 340 Reading Foundations (K-6)

Special Education Foundations

EDN 260 Introduction to Exceptional Children
EDN 367 Behavior Management Techniques
EDN 368 Diagnostic Techniques in Special Education
EDN 369 Prescription Development in Special Education
EDN 374 Special Education Curriculum and Instruction

Area of Emphasis

Students must choose one of the following emphases:

1. Behaviorally/Emotionally Handicapped
   EDN 370 Behaviorally Disordered Children and Youth
   EDN 371 Programming and Interventions for Behaviorally Disordered Students
   EDN 410 Seminar in Education
   EDN 411 Practicum

2. Learning Disabilities
   EDN 366 Learning Disabled Children and Adolescents
   EDN 372 Programming and Interventions for Learning Disabled Students
   EDN 410 Seminar in Education
   EDN 411 Practicum

3. Mental Retardation
   EDN 364 Mental Retardation in School and Society
   EDN 373 Programming and Interventions for Mentally Handicapped Students
   EDN 410 Seminar in Education
   EDN 411 Practicum

NOTE: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional courses in the Special Education Program. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 24 semester hours is required. A maximum of six semester hours of basic studies may be included in the academic concentration. Specific course requirements for the various concentrations may be obtained from the academic advisors in the Watson School of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, biology, chemistry, English, environmental studies, French, geography, geology, history, marine biology, mathematics, music, philosophy and religion, political science, psychology, sociology, Spanish, and theatre.

TEACHER LICENSURE PROGRAM IN SECONDARY AND SPECIAL SUBJECTS

Programs leading to teacher licensure are offered in the secondary (9-12) fields of biology, chemistry, geology, English, history, mathematics, and physics, and in the special subject (K-12) fields of health, physical education, music, French, and Spanish. Students who concentrate in history, political science or sociology may fulfill subject matter requirements for social studies licensure by completing a minimum of 21-23 semester hours in three social studies areas other than the discipline of major concentration. History 101, 102, 103, 201, 202, and PLS 101 must be completed, as well as at least one course in each of the following areas: sociology/anthropology, economics, and geography.

Students who concentrate in biology, chemistry, earth science or physics may fulfill requirements for science licensure by completing 21-23 semester hours in three science areas other than the discipline of major concentration. A minimum of two courses from each discipline is required. Physics 260 also is required. Students wishing to prepare themselves as secondary or special subject teachers must fulfill degree requirements in an appropriate academic discipline, be admitted to the Watson School of Education, and complete the following sequence of professional courses.

Professional Core

The following courses should be completed before admission to the Teacher Education Program, usually in the sophomore year:

EDN 200 Teacher, School and Society
EDNL 200 Field Studies
EDN 203 Psychological Foundations of Teaching
PSY 223 Life Span Human Development

Professional Studies

Students seeking secondary and special subject licensure must complete the following courses: (See sections below for description of requirements for health and physical education and music education requirements.)

EDN 301 Instructional Design and Evaluation
EDN 303 Instructional Technology
EDN 321 Meeting Needs of Special Students in High Schools
EDN 356 Reading in the Secondary School

And one of the following:

EDN 403 Theory and Practice in Teaching Secondary English (9-12)
EDN 404 Theory and Practice in Teaching Secondary Math (9-12)
EDN 405 Theory and Practice in Teaching Secondary Social Studies (9-12)
EDN 406 Theory and Practice in Teaching Secondary Science (9-12)
EDN 407 Theory and Practice in Teaching Foreign Languages (Spanish and French) (K-12)

The Professional Semester

EDN 408 Instructional Seminar
EDN 409 Practicum

NOTE: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional education cours-

es. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Professional Studies - Health and Physical Education

Students pursuing teacher licensure in health and physical education will complete the following requirements in addition to those of the specialty area.

Professional Core

EDN 200 Teacher, School and Society
EDNL 200 Field Studies
EDN 203 Psychological Foundations of Teaching
PSY 223 Life Span Human Development

Professional Studies

EDN 303 Instructional Technology
EDN 356 Reading in the Secondary School

The Professional Semester

EDN 409 Practicum

NOTE: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional education courses. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 24 semester hours is required. A maximum of six semester hours of basic studies may be included in the academic concentration. Specific course requirements for the various concentrations may be obtained from the academic advisors within the Watson School of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, biology, chemistry, English, environmental studies, French, geography, geology, history, marine biology, mathematics, music, philosophy and religion, political science, psychology, sociology, Spanish, and theatre.

Professional Studies - Music Education

Students pursuing teacher licensure in music education will complete the following requirements in addition to those of the specialty area.

Professional Core

EDN 200 Teacher, School and Society
EDNL 200 Field Studies
EDN 203 Psychological Foundations of Teaching
PSY 223 Life Span Human Development

Professional Studies

EDN 340 Reading Foundations (K-6)
or
EDN 356 Reading in the Secondary School
EDN 409 Practicum

NOTE: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional education courses. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

DEGREE REQUIREMENTS

SCHOOL OF NURSING

Virginia W. Adams, *dean*
Perri J. Bomar, *associate dean*

BACHELOR OF SCIENCE DEGREE
Accredited by the National League for Nursing

Dr. Adams, Ms. Allen, Dr. Bomar, Ms. Brookshire, Dr. H. Cummings, Dr. S. Cummings, Dr. Dowell, Dr. Faller, Dr. Gray, Ms. Hopkins, Ms. Jackson, Ms. Moore, Dr. Rosenkoetter, Ms. Steele, Ms. Stone

The School of Nursing offers a program leading to the Bachelor of Science degree with a concentration in professional nursing. The purpose of this baccalaureate program is to prepare a generalist who possesses the knowledge, skills, and attitudes with which to practice family-centered professional nursing in a variety of current and emerging health care delivery systems. In addition, the program is designed to provide a foundation for graduate nursing education. Through interactions with clients–individual persons, families and communities, and other health care professionals, nursing graduates will contribute toward meeting the wide-ranging needs of the region, state, and the larger community.

Program Objectives

The graduate of the University of North Carolina at Wilmington baccalaureate program in nursing is able to:

(1) Practice family-centered professional nursing based upon a conceptual framework in a variety of settings.
(2) Interact with individuals, families, and communities to promote an environment conducive to health.
(3) Utilize the nursing process in the delivery of health care to individuals, families, and communities.
(4) Base professional practice upon a synthesis of knowledge from social, behavioral, and natural sciences, nursing theory and research.
(5) Demonstrate commitment and accountability to health care consumers and to professional standards.
(6) Function as a self-directed learner who assumes responsibility for continued personal and professional growth.
(7) Assume a leadership role in the provision and coordination of health care through collaborative relationships with other health care professionals.
(8) Influence present and emerging roles of nursing practice to meet the health care needs of a changing society.
(9) Stimulate change within clients and health care delivery systems to more effectively promote the health of the community.

Requirements for Admission to the School of NursingBachelor of Science Degree:

1. Admission to the University of North Carolina at Wilmington.
2. Meeting admission criteria defined on page 115.
3. Recommendation of the Committee for Student Affairs of the School of Nursing.
4. Approval of the nursing faculty.

Time Limits: Nursing courses must be completed within a consecutive six-calendar-year period of time.

Ten-Year Rule: Science courses which are more than ten years old will be evaluated by the School of Nursing for currency.

The School of Nursing is reviewing its Bachelor of Science degree program, concentration in nursing, and may make changes which could have an impact on the program. Students and other persons interested in applying for admission to the school for the summer 1998 term or later, should keep themselves informed of any change in the program or its requirements by remaining in communication with the Office of the Dean, School of Nursing, University of North Carolina at Wilmington, Wilmington, NC 28403-3297.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. degree in nursing a student must successfully complete NSG 215.

Requirements for the B.S. degree with a concentration in nursing:

Collateral courses: PSY 105, PSY 223, SOC 105, SOC 345, MAT 111, BIO 240, 241, 246, CHM and CHML 101, CHM and CHML 215, STT 210. (Note: Completion of these courses will satisfy university basic studies requirements in the social and behavioral sciences and the natural and mathematical sciences.)

Core courses: NSG and NSGL 200, NSG 215, NSG AND NSGL 300, NSG 301, 310, NSG and NSGL 350, NSG 360, NSG and NSGL 400, NSG 410, 415, NSG and NSGL 450, NSG 460, 490.

A minimum grade of "C" is required in each nursing course.

Because many of the required courses are sequential, have prerequisites, and may be offered only once a year, it is vital for students to complete them successfully in the proper sequence. Sample schedules are available in the Center for Academic Advising and in the School of Nursing. Because of the heavy concentration of laboratory and practicum courses in the junior and senior years, students are urged to fulfill university basic studies requirements during the freshman and sophomore years and to take an average of 16 hours per semester. In addition to university basic studies requirements and nursing requirements, students must take elective courses to satisfy the university requirement of a minimum of 124 hours. One summer session (session I between the second and third year) will be required in order to complete the requirements in four years.

REGISTERED NURSES (RN) ACCESS PROGRAM

Registered Nurses wishing to obtain the B.S. degree in nursing must meet all university admissions and basic studies requirements. Because many of the required courses are sequential, have prerequisites, and may be offered only once a year, it is vital for students to complete them successfully in the proper sequence. In addition to university basic studies requirements and nursing requirements students, must take elective courses to satisfy the university requirement of a minimum of 124 hours. Sample schedules are available in the Center for Academic Advising and in the School of Nursing. Upon successful completion of NSG 216, RN Access students are granted 24 placement hours credit.

Requirements for the B.S. degree in Nursing, RN Access Program:

Collateral courses: PSY 105, 223, SOC 105, 345*, MAT 111, BIO 240, 241, 246, CHM and CHML 101, CHM and CHML 215, STT 210. (Note: Completion of these courses will satisfy university basic studies requirements in the social and behavioral sciences and the natural and mathematical sciences.)

Core Courses: NSG 215, 216, NSG and NSGL 301, NSG and NSGL 389, NSG 410, 415, NSG and NSGL 420, NSG and NSGL 489.

A minimum grade of "C" is required in each nursing course.

*Subject to change

Notes:

1. A part-time sequence is available for the RN Access Program.
2. The School of Nursing is reviewing its Bachelor of Science degree program, concentration in nursing, and may make changes which could have an impact on the RN Access Program.

NSG 445, Nursing in Barbados, is available during the first session of summer school as an elective course for upper-level nursing majors and registered nurses. Students who are interested in international nursing are encouraged to take this course.

DEGREE REQUIREMENTS

CLINICAL LABORATORY SCIENCE

Anne F. Kendrick, *advisor*

The clinical laboratory scientist, also known as a medical technologist, is responsible for performing and evaluating laboratory tests to determine the presence of disease in the human body. This scientist may also become involved in laboratory supervision, computer technology, education, health administration, and medical research.

UNCW students have two programs of study from which to choose:

1. The "3+1" option, which leads to a B.S. with a major in clinical laboratory science. The first 90 semester hours (three years) are completed on campus with the final year (12 months) spent in training at one of the affiliated hospital programs listed below:
   Bowman Gray School of Medicine/North Carolina Baptist Hospital, Winston-Salem, N.C.
   Carolinas Medical Center, Charlotte, N.C.
   Duke University Medical Center, Durham, N.C.
   Moses Cone Memorial Hospital, Greensboro, N.C.
   New Hanover Regional Medical Center, Wilmington, N.C.

*2. The "4+1" option, which includes earning a B.A. or B.S. with a major in either biology or chemistry before beginning the clinical training year.

Completion of the first years of study at UNCW does not assure the student admission to the year of clinical training. There is much competition for the limited space available. The application process for hospital programs should begin one year before the student wishes to enroll. Guidance by the faculty advisor should be sought, since entrance requirements may differ at various hospitals.

*Students majoring in clinical laboratory science must file for graduation during the first semester of the junior year. This application is filed in the Office of the Registrar.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. degree in clinical laboratory science a student must successfully complete any approved oral intensive course (see list on page 106).

Requirements for a Major in Clinical Laboratory Science for a B.S. degree

1. Basic studies course requirements: 45 semester hours
2. Course requirements that are prerequisites for the clinical training program:
   BIO 108 Introduction to Clinical Laboratory Science (1)
   BIO 110* Principles of Biology (4)

One of the following combinations:

BIO 206* and BIO 345	Animal Biology and Animal Physiology (4,4)
or	
BIO 206* and BIO 347	Animal Biology and Molecular Biology of the Cell (4,4)
or	
BIO 240*-241	Human Anatomy and Physiology (4-4)
BIO 320	Immunology (3)
BIO 425	Microbiology (4)
BIO 371 or BIO 377	Human Fungal Diseases (1) or Mycology (4)

CHM 101-102	General Chemistry (4-4)
CHM 211	Organic Chemistry (4)
CHM 212 or BIO 465	Organic Chemistry or Biochemistry with lab (4)
MAT 111 or 115	College Algebra or Precalculus (3)

Recommended elective courses:

CHM 235	Quantitative Analysis (4)
BIO 335 or BIO 235	Genetics or Genetics in Human Affairs (3)
BIO 465	Biochemistry (4)
STT 215	Introduction to Statistics (3)
CSC 105	Introduction to Computer and Computer Applications (2)

*Requirement to declare a major in clinical laboratory science: A 2.50 overall grade point average and 2.50 average in BIO 110 & 206 or a 2.50 average in BIO 110 & 240.
"3+1" students enrolled as freshman can complete the prerequisites for the clinical training program in three years. Transfer students, depending on the required courses remaining, may need more than three years.

3. Clinical laboratory science course requirements for the senior clinical training program year (34 hours) are earned from clinical laboratory science courses. Credit for these courses may not be counted toward any other degree at the University of North Carolina at Wilmington.

EXTENSION COURSES

The Division of Academic Affairs in collaboration with the Division for Public Service and Extended Education administers the university's extension (academic) program. Through the Contract Extension Program, freshman- and sophomore- level courses are offered at Bladen Community College in Dublin, NC. The community college recruits and enrolls students who are high school graduates or the equivalent. Students enrolled in the program who wish to become degree candidates at the university must apply and meet regular admission requirements for freshman or transfer students.

The university also operates an upper-division undergraduate degree completion program in elementary education, education of young children, business and nursing (RN Access) at the Jacksonville/Onslow County program site. Courses are scheduled on the Coastal Carolina Community College campus as well as the Marine Corp Base, Camp Lejeune.

Additional extension offerings also include undergraduate and graduate courses in the field of education at off-campus sites. Utilizing primarily UNCW faculty, these courses may be used to meet the staff development and/or graduate education requirements of local teachers.

Extension registrations are received by the Division of Academic Affairs while requests for transcripts should be sent to the Registrar of the University of North Carolina at Wilmington.

Further information concerning all extension courses may be obtained by contacting the Division of Academic Affairs or the Division for Public Service and Extended Education.

JOINT PROGRAMS

BACHELOR OF SCIENCE DEGREE IN THIRTEEN ENGINEERING PROGRAM AREAS WITH NORTH CAROLINA STATE UNIVERSITY

The University of North Carolina at Wilmington offers jointly with North Carolina State University an Engineering Two-Plus-Two Program leading to a bachelor of science degree in one of 13 degree areas listed below. The purpose of this UNCW/NCSU College of Engineering Two-Plus-Two Program is to offer students the opportunity to complete approximately one-half of the NCSU B.S. degree requirements by attending UNCW for the first two years and then transferring to NCSU for the remaining two years. Courses in the first two years will include NCSU engineering courses.

The NCSU B.S. in engineering degree programs from which UNCW students can select are:

1. Aerospace Engineering
2. Chemical Engineering
3. Civil Engineering
4. Civil Engineering (construction option)
5. Computer Engineering
6. Electrical Engineering
7. Environmental Engineering
8. Industrial Engineering
9. Materials Engineering
10. Mechanical Engineering
11. Textile Engineering
12. Biological Engineering
13. Nuclear Engineering

For additional information about the UNCW/NCSU engineering degree program contact the chairperson of the UNCW Department of Physics.

PRE-PROFESSIONAL PROGRAMS

PRE-AGRICULTURE AND PRE-FORESTRY

Dr. David Sieren, *advisor*

Pre-professional programs in forestry and agriculture are arranged which enable students to transfer to schools offering professional training in the two fields. The programs are designed to meet the requirements and recommendations of the professional schools, and students should plan their programs in consultation with the pre-agriculture or pre-forestry advisor.

PRE-ALLIED HEALTH

Mrs. Rebecca B. Jones, *advisor*

Students interested in careers in the field of allied health should contact the advisor for information, including prerequisites and application procedures leading to degrees available in many fields, including radiation therapy, occupational therapy, nuclear medicine technology, and physician assistant.

PRE-DENTISTRY

Mrs. Rebecca B. Jones, *advisor*

Students wishing to become dentists should consult the pre-dentistry advisor early in their academic career. The requirements for admission to dental school are similar to the requirements for medical school, with the exception that a Dental Admissions Test (DAT) is taken during the spring of the junior year.

HEALTH-RELATED CAREERS (freshman advising)

Dr. Timothy A. Ballard, *advisor*

The Center for Academic Advising assists students in taking the required courses during the freshman year for all health-related careers (e.g., medicine, pharmacy, etc.).

First Semester

ENG	101	College Writing and Reading I
MAT	111	Pre-Calculus Math (or higher, e.g., MAT 115 or 161)
CHM	101	General Chemistry
BIO	110	Principles of Biology

Second Semester

ENG	102	College Writing and Reading II
CHM	102	General Chemistry
BIO	206	Animal Biology

PRE-LAW

Dr. Stephen Meinhold, *advisor*

Students who plan to prepare for law school may select a major in any discipline that fulfills the requirements for a baccalaureate degree at UNCW. In developing a pre-law program, the student should be aware of the recommendation of the Association of American Law Schools, which describes the basic skills and insights it believes fundamental to the later attainment of legal competence. These are (a) comprehension and expression in words; (b) critical understanding of human institutions and values with which the law deals; and (c) creative power in thinking. In order to develop these capacities, the association recommends a pre-legal education of "the broadest scope." To accomplish these goals the University of North Carolina at Wilmington offers a wide range of pre-law courses. Although political science and business are frequently selected by pre-law students as their major, economics, English, history, sociology and others are sometimes selected. Regardless of the major, the pre-law student should be zealous in the selection of electives that will facilitate critical understanding of economic, political and social institutions. Since a lawyer must be able to communicate effectively, the pre-law student is well-advised to lay special emphasis on communicative skills. Also, a knowledge of elementary accounting is highly recommended.

Finally, the pre-law student should remember that the quality of undergraduate instruction is more important than the subject matter area. The Association of American Law Schools recommends the selection of courses which require the greatest preparation and intellectual discipline. "The best trained applicant for law school," states the association, "is the student who has studied under teachers who have inspired, challenged, and pressed him."

All candidates for law school should apply in time to ensure that their completed file is available by January 1 of the year they plan to enter. This means that they should register for either the June or September administration of the Law School Admissions Test and for the Law School Data Assembly Service. The LSAT and the LSDAS are explained fully in the Law School Admission Bulletin which is available in the Department of Political Science. Additional information and advice may be secured from the pre-law advisor in the Department of Political Science.

PRE-MEDICINE

Dr. Timothy A. Ballard, *advisor*

Students wishing to pursue a career in medicine may elect to major in any discipline as long as certain basic courses in the natural sciences and humanities are incorporated into their curriculum. Most medical schools require students to have a minimum of two semesters of introductory (inorganic) chemistry with labs, two semesters of organic chemistry with labs, two semesters of biology (including zoology) with labs, two semesters of physics with labs, and two semesters of English composition and literature. Pre-med students should plan to take the Medical College Admission Test (MCAT) in the spring of their junior year. High academic achievement, involvement in extra-curricular activities including volunteer work in a health-related field, and dedication to a career in medicine are among the many requisites for successful application to medical school. The Health Science Club exists to help pre-med students, as well as others interested in careers in the health professions, learn more about their options. Pre-med students should have their official academic advisor in the department of their major, but should seek advice on pre-medical issues from the pre-med advisor. A copy of the UNCW Pre-medical Sciences Student Manual should be obtained from the pre-med advisor; this booklet outlines the pre-medical program and includes a timetable and a checklist for the application process. The pre-med advisor maintains a file of information on medical schools, materials for helping

students prepare for the MCAT, registration materials for the MCAT, and applications to medical school. Pre-med students are encouraged to discuss their career plans with the pre-med advisor early in their academic program, preferably in the freshman year.

PRE-OPTOMETRY

Mrs. Rebecca B. Jones, *advisor*

Students desiring to become optometrists should contact the pre-optometry advisor to learn requirements for admission to optometry school and application deadlines for the optometry admission test (OAT) which is given twice a year.

PRE-PHARMACY

Dr. Charles L. Cahill, *advisor*

Students interested in careers in pharmacy should consult with the pre-pharmacy advisor before arranging their academic schedules. Basic coursework in biology, chemistry, physics, and mathematics is required, as well as additional studies in the social sciences and humanities in the two-year pre-pharmacy program. Students should arrange through their advisor to take the Pharmacy College Admission Test (PCAT) in November of their second year. Applications to pharmacy schools should be made in the fall or winter of the second year.

PRE-PHYSICAL THERAPY

Dr. Yousry A. Sayed, *advisor*

The University of North Carolina-Chapel Hill offers a master's degree in physical therapy for which the following prerequisites must be completed successfully prior to application: STT 215, BIO 110, 240, 241, CHM 101, 102, PHY 101, 102, PSY 105, 223, CPR Certification. If a master's degree is preferred, a student may earn a bachelor's degree at UNCW and apply for graduate acceptance at UNC-Chapel Hill.

East Carolina University now offers a master's degree in physical therapy. Interested students should contact the UNCW pre-physical therapy advisor. Information on the ECU master's program will be available in the Center for Academic Advising.

Winston-Salem State University offers a bachelor's degree in physical therapy. Students should consult the UNCW pre-physical therapy advisor for more information.

Whether the student is interested in a master's degree or a bachelor's degree in physical therapy, the standards for acceptance are competitive and require an excellent academic record for acceptance.

PRE-PODIATRY

Dr. Rebecca B. Jones, *advisor*

Students wishing to attend podiatry school should consult the pre-podiatry advisor early in their academic career.

PRE-VETERINARY MEDICINE

Dr. Gilbert S. Grant, *advisor*

The student interested in applying to a school of veterinary medicine may complete basic requirements for admission at the University of North Carolina at Wilmington. Specialized courses not offered at this institution must be taken elsewhere. The only school of veterinary medicine in North Carolina is located at North Carolina State University in Raleigh. Students planning to pursue a career in veterinary medicine should consult with the advisor to plan the program of study, as well as contact the veterinary school of choice early in their academic program.

Course Descriptions

COURSE DESCRIPTIONS

All undergraduate courses offered by the university are listed. Not all of the courses listed are offered within a single academic year. A listing of the courses offered during a given semester is printed in a class schedule booklet, which is placed in each student's university mailbox before preregistration each semester.

TRIAL COURSES

Academic departments may offer special trial courses during the fall and spring semesters on a one-time basis without adding them to their regular departmental offerings. A second trial offering, if additional data are essential, must be within two regular semesters of the first. Numbers designating these special courses are 292 and 492. Descriptive information on trial courses does not appear in the catalogue but is on file in the Office of the Registrar.

SEQUENCED COURSES

A hyphen connecting courses (e.g., 201-202) indicates that the first course in the sequence must be satisfactorily completed prior to registration in the second course of the sequence. When course numbers are separated by a comma (e.g., 201, 202), the first course is not necessarily prerequisite to those following.

CREDITS AND CLASS MEETINGS

Unless specifically indicated at the end of the course description, the number of hours a class meets each week is the same as the credit hour value of the course. The semester hours credit for each course is indicated in parentheses immediately following the title of the course. For example, if three hours of credit may be earned, the credit is indicated as follows: (3). In variable credit courses, the minimum and maximum hours are shown as follows: (1-3).

COURSE PREFIXES

The prefixes used to designate courses are abbreviations of the names of departments or fields of study within departments, as shown below:

ACG Accountancy (Department of Accountancy and Business Law)
AMS American Studies (College of Arts and Sciences)
ANT Anthropology (Department of Sociology and Anthropology)
ART Art (Department of Art and Theatre)
BIO Biological Sciences (Department of Biological Sciences)
BLA Business Law (Department of Accountancy and Business Law)
BUS Business (Department of Management and Marketing)
CHM Chemistry (Department of Chemistry)
CLA Classical Studies (Department of Foreign Languages and Literatures)
CLS Clinical Laboratory Sciences (Department of Biological Sciences)
COM Communication Studies (Department of Communication Studies)
CRJ Criminal Justice (Department of Sociology and Anthropology)
CSC Computer Science (Department of Mathematical Sciences)
ECN Economics (Department of Economics and Finance)
EDN Education (Department of Curricular Studies, Department of Specialty Studies)
ENG English (Department of English)
EVS Environmental Studies (Department of Earth Sciences)
FIN Finance (Department of Economics and Finance)
FNA Fine Arts (Department of Art and Theatre)
FRH French (Department of Foreign Languages and Literatures)

GER	German (Department of Foreign Languages and Literatures)
GGY	Geography (Department of Earth Sciences)
GLY	Geology (Department of Earth Sciences)
GRN	Gerontology (College of Arts and Sciences)
HEA	Health (Department of Health, Physical Education, and Recreation)
HON	Honors (Honors Program)
HST	History (Department of History)
INT	International Studies (International Programs)
ITN	Italian (Department of Foreign Languages and Literatures)
JPN	Japanese (Department of Foreign Languages and Literatures)
LAT	Latin (Department of Foreign Languages and Literatures)
LED	Leadership Studies (Department of Communication Studies)
MAT	Mathematical Sciences (Department of Mathematical Sciences)
MGT	Management (Department of Management and Marketing)
MKT	Marketing (Department of Management and Marketing)
MUS	Music (Department of Music)
NSG	Nursing (School of Nursing)
P&R	Philosophy and Religion (Department of Philosophy and Religion)
PDS	Production and Decision Sciences (Department of Production and Decision Sciences)
PED	Physical Education (Department of Health, Physical Education, and Recreation)
PHY	Physics (Department of Physics)
PLS	Political Science (Department of Political Science)
PRT	Portuguese (Department of Foreign Languages and Literatures)
PSY	Psychology (Department of Psychology)
REC	Recreation (Department of Health, Physical Education, & Recreation)
SHS	Science, the Humanities, & Society (College of Arts and Sciences)
SOC	Sociology (Department of Sociology and Anthropology)
SPN	Spanish (Department of Foreign Languages and Literatures)
STT	Statistics (Department of Mathematical Sciences)
SWK	Social Work (Department of Sociology and Anthropology)
THR	Theatre (Department of Art and Theatre)
UNI	University Studies (Student Academic Support Programs)

Accountancy Course Descriptions

(Department of Accountancy and Business Law)

ACG 201. Financial Accounting (3) Prerequisite or corequisite: MAT 111. An introduction to the basic framework of accounting for both students majoring in accountancy and other disciplines. Includes preparation of financial records, financial statements, and analysis of the major financial statements with emphasis on the underlying accounting concepts and constraints. Normally taken concurrently with ACGL 201.

ACGL 201. Financial Accounting Laboratory (1) Prerequisite or corequisite: ACG 201. Two laboratory hours each week.

ACG 203. Managerial Accounting (3) Prerequisite: ACG 201. An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

ACG 301-302. Intermediate Accounting I and II (3-3) Prerequisite: A grade of "C-" or better in ACG 201 and 203; for 302, a grade of "C-" or better in ACG 301. Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. ACG 301 emphasizes development of accounting standards and theory, financial statements, current assets and current liabilities. ACG 302 emphasizes plant assets, long-term investments, long-term liabilities, stockholders' equity, revenue recognition and income tax allocation.

ACG 305. Cost Accounting (3) Prerequisite: ACG 203. Costs for planning and control, including the role of the accountant in the organization; cost behavior and volume-profit relationships; responsibility accounting; standard costs; flexible budgets; cost structures for control and motivation; and relevant costs for nonroutine decisions.

ACG 306. Accounting Information Systems (3) Prerequisite: ACG 203. Basic concepts of accounting information systems including both manual and computer based systems. Examines transaction processing systems with emphasis on internal controls and documentation, user support systems, and systems development. Laboratory projects include advanced spreadsheet functions, a database package, and an accounting software package. Two lecture hours and two laboratory hours each week.

ACG 307. Administrative Accounting and Control (3) Prerequisite: ACG 305 and PDS 314. The controllership function and analytical methods to serve the information needs of decision making and control; advanced topics in cost accounting, forecasting, budget design and preparation, and responsibility accounting.

ACG 403 (503). Non-Profit Organization Accounting (3) Prerequisite: ACG 302. Accounting for not-for-profit organizations including governments, colleges and universities, hospitals, charities, and other not-for-profit organizations. Emphasis is on objectives and preparation of financial statements, the use of managerial reports, and budgetary data.

ACG 404. Federal Income Taxes I (3) Prerequisite: ACG 203. Study of federal income taxation of individuals. Includes business expenses and revenues, depreciation, and property transactions and the history and development of taxation.

ACG 405 (505). Corporate and Partnership Taxation (3) Prerequisite: A grade of "C-" or better in ACG 404. The study of corporate and partnership taxation. Emphasis is on corporation and partnership organization, operations, distributions, liquidation and reorganization.

ACG 407. Auditing (3) Prerequisite: A grade of "C-" or better in ACG 302. Objectives, standards and procedures involved in examining and reporting on financial statements of business organizations by independent auditors in light of ethical and legal obligations.

ACG 410. Financial Statement Analysis (3) Prerequisite: FIN 335. An examination of the conceptual background and analytical tools necessary to understand and interpret financial statements. Students will learn how to access, manipulate, and analyze financial statement data from various databases.

ACG 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

ACG 495. Senior Seminar in Accountancy (3) Prerequisite: Senior standing. Special topics in accountancy not regularly addressed in other courses in accountancy.

ACG 498. Accounting Internship (1-6) Prerequisite: Senior status, grade-point average of at least 3.00 (cumulative, and in accounting courses), and consent of faculty supervisor. Involves the application of accounting knowledge in a "real world" setting. The participant receives hands-on experience under the guidance of a manager from a business or no-for-profit organization, or CPA firm. Six (6) semester hour internships are available to students who plan to enter the Master of Science in Accountancy program at UNCW, achieve satisfactory performance on the Graduate Management Admission Test, and complete specific course work prior to commencement of the internship.

ACG 499. Honors Work in Accounting (2-3) Prerequisite: Senior standing. Independent work for honors students.

American Studies Course Description

(College of Arts and Sciences)

AMS 200. Introduction to American Studies (3) Survey of major themes in American culture and the methods used to study them. Required for the American Studies minor.

Anthropology Course Descriptions

(Department of Sociology and Anthropology)

ANT 105. Introduction to Anthropology (3) Introduction to the physical, archaeological, linguistic, and ethnological fields of anthropology; biological and cultural evolution of man.

ANT 205. (SOC 205) Human Societies (3) The comparative study of human society and culture, with selected ethnographic examples to illustrate human adaptation to specific environments and reveal patterns of major social institutions—economy, marriage and kinship, politics and religion—which underlie and support a particular way of life. Comparisons are drawn among hunter-gatherer, tribal horticultural, peasant and modern industrial societies. Perspectives on the dynamics of social process and cultural change are also introduced.

ANT 206. Cultural Anthropology (3) A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

ANT 207. Archaeology (3) The concepts and aims of archaeology, its history as a scientific discipline and its present role in the social sciences. Attention to basic principles in field work and to recent advances.

ANTL 207.Archaeological Laboratory (1) Corequisite or prerequisite: ANT 207. Course is designed to familiarize students with techniques of archaeological recovery, preparation, preservation, and analysis of recovered archaeological materials. Laboratory work will parallel lecture, providing practical experience in techniques covered as part of lecture course. It is not necessary to take the lab in order to take lecture. Three hours each week.

ANT 208. Language and Culture (3) Human language, its characteristics and its relationship to other communication systems will be examined. The use of language to illuminate historical relationships and current sociocultural processes will be discussed, as well as ways in which one can investigate culture through cognitive structures elicited from speech.

ANT 210. Physical Anthropology (3) Introduction to the study of human evolution. Consideration given to the fossil evidence for humans and putative human ancestors, early development of culture, and dynamics of cultural and biological changes in recent and living human populations.

ANT 211. Fundamentals of Forensic Anthropology (3) The role of the physical anthropologist in the forensic sciences. Topics include (with reference to case studies): history of forensic anthropology in the US; procedures for search and recovery of human remains; method of identification from the skeleton trauma analyses; manners of death; time since death estimations; facial reconstruction; photo/video superimposition techniques.

ANT 215. Anthropology of Native Americans (3) Survey of native peoples and their cultures. Major cultural adaptations reflected in subsistence practice, crafts and arts; social, political, and ceremonial patterns of the native peoples of North America.

ANT 230. (SOC 230) Utopian and Communal Societies (3) A theoretical and descriptive analysis of "intentional" communities and social systems. Coverage of earliest utopian experiments and modern rural and urban communes. Communities are reviewed in terms of their origin and purpose, ideology, subsistence, social patterns, relations with the outside world, and survival.

ANT 250. World Cultures Through Film (3) Ethnographic films and readings are used to explore variability in human culture and society. Films present people living in diverse ecologies and at different levels of social complexity. Interpretation is based upon the concepts and theories of cultural anthropology.

ANT 301. Shamanism, Witchcraft, and Cults (3) Prerequisite: ANT 105 or 206 or sophomore standing. A study of the religious institutions of traditional band, tribal and peasant societies. Topics cover psychological stress, social control, and ritual healing. The cult within modern Western society will be compared with cults in traditional preindustrial society.

ANT 302. Critical Issues in Developing Countries (3) Prerequisite: Junior standing or consent of instructor. An assessment of the impact of Western industrial societies on developing countries. Cross-cultural perspective on acculturation, underdevelopment, modernization, economic dependency and rural to urban migration.

ANT 303. Anthropology of Gender (3) Prerequisite: ANT 105 or 206 or SOC 105 or consent of instructor. A study of gender roles in traditional cultures; an analysis of historical, ideological, economic, and social systems of traditional cultures as influenced by gender.

ANT 304. Native South Americans: Past and Present Perspectives (3) Prerequisite: Consent of instructor. This course will acquaint the student with human populations and their adaptations to the South American continent. Approximately equal emphasis is given Native Americans in past and contemporary societies.

ANT 305. Native North Americans: Contemporary Issues (3) Prerequisite: Sophomore standing. A study of the major issues facing Native Americans today in North America. Traditional North American cultures and their history of contact with Euro-American culture provides the background to analyze contemporary issues of identity, land claims, religious freedom, energy resources, health and education.

ANT 306. Principles of Kinship and Social Organization (3) Prerequisite: ANT 105. This course deals with the structures and functions of kinship in a variety of cultures as a background for the study of complex cultural patterns.

ANT 307. New World Archaeology (3) Prerequisite: ANT 105 or 207 or consent of instructor. The entry of man into North America and South America will be examined using archaeological data. Other topics will include the post-Pleistocene expansion of big game hunters, woodland hunter-gatherers, and the development of agricultural societies. Diffusion versus independent invention will be considered.

ANT 309. Environmental Anthropology (3) Prerequisite: ANT 105 or 206 or 207 or consent of instructor. A study of cultural adaptations as responses of human populations to varied environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.

ANT 311. Field Methods in Archaeology (3-6) Prerequisite: ANT 207. Practical field methods of land-site archaeology will be taught through the excavation of local archaeological sites. Scientific excavation, sampling, and preservation techniques will be presented as the basic tools of the archaeologist.

ANT 317. Latin American Anthropology (3) Prerequisite: ANT 105 or consent of instructor. Complex national cultures of Latin America. Contemporary issues such as the rights of native peoples, peasant land reform, urban slum settlements, development of resources, and political and economic reform movements. Case studies of individual countries.

ANT 320. Human Origins (3) Prerequisite: ANT 210 or consent of instructor. Classification and history of human evolution deduced from the fossil record and molecular data. Discussion of Tertiary hominoids and emergence of humans with emphasis on Australopithecines and later Pleistocene hominoids.

ANT 322. Primate Biology and Behavior (3) Prerequisite: ANT 210 or consent of instructor. Ecology, social behavior, and functional morphology and classification of living primates (prosimians, monkeys, and apes); their evolutionary history and development.

ANT 324. Human Biological Variation (3) Prerequisite: ANT 210 or consent of instructor. Nature and extent of heritable differences among human populationsin evolutionary perspective. Consideration of effects of environmental factors on genic expression.

ANT 326. Human Osteology (3) Prerequisite: ANT 210. Corequisite: ANTL 326. The human skeleton focusing on bone biology and skeletal anatomy. Topics include: techniques to examine and measure bones; methods for the estimation of age, sex, ancestry, and stature; analyses of pathology (disease and trauma). Topics presented within the context of specialized areas of physical anthropology, such as skeletal biology, paleodemography, and forensic anthropology.

ANTL 326. Human Osteology Laboratory (1) Prerequisite: ANT 210. Corequisite: ANT 326. The application of concepts, techniques, and methodologies to actual skeletal materials. Three lab hours each week.

ANT 345. Method and Practice in Cultural Anthropology (3) Prerequisite: ANT 206 or consent of instructor. Ethnographic field methods through selected readings demonstrating field techniques of major figures in cultural anthropology, past and present. Practice involves exercises in participant observation, in-depth interviewing, survey research, photographic analysis, and tape recordings of cultural events.

ANT 350. Maritime Anthropology (3) Prerequisite: ANT 105 or consent of instructor. A study of fishermen, navigators, boatbuilders, and seamen. This course traces the origins and

development of human maritime adaptations in selected regions of the world. Themes include primitive and traditional fisheries, technological innovation, fisheries management and law of the sea.

ANT 387. (ART 387) Museum Studies (3) Prerequisite: Consent of instructor. A lecture course focusing on the philosophies and practical exigencies of management of a museum. The course involves actual experience at local museums under the supervision of the director, familiarity with museum policies, roles of the staff, and work within the major areas of museum operations of administration, exhibition, and education.

ANTL 387. (ARTL 387) Museum Studies Practicum (1) Prerequisite: Consent of instructor. Practicum includes exhibit installations, sales gallery operations, working with the permanent collection, and assessing and developing educational programs. Three hours each week.

ANT 411. (HST 507) Advanced Field Training in Archaeology (3) Prerequisite: HST 201 or 441; ANT 311, and consent of instructor. Supervisory training for field archaeologists. Students direct specific aspects of archaeological excavation, including research design, data recovery, daily site management, and field analysis. Summers.

ANT 412. (HST 508) Historical Archaeology (3) Prerequisite: HST 201 or 441, or ANT 105 or 207, or consent of instructor and graduate status. Substantive investigation of the special excavation and analysis procedures, subject matter, and goals of archaeology as applied to the historic past of North America. Special emphasis placed upon historic archaeological sites in the local region. Lecture, laboratory, and field work.

ANT 430. (BIO 430) Evolutionary Biology (3) Prerequisite: BIO 335 (Genetics). Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics using relevant illustrative examples from the literature.

ANT 450. History of Anthropological Theory (3) Prerequisite: ANT 206 or consent of instructor. Development of anthropological theory through the reserch and writings of key figures in the field. Emphasis on social and intellectual contexts out of which anthropological theories emerge.

ANT 455. Reading Material Culture (3) Prerequisite: ANT 207 or 412. Examination of the theoretical continuities among cultural anthropology, linguistics, and history as evidenced in the record of material culture revealed through archaeology. Emphasis on the historical archaeology of the post-medieval European expansion. Two lecture and two laboratory hours each week.

ANT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

ANT 495. Topical Seminar (1-3) Prerequisite: Consent of instructor. Discussion of selected topics in anthropology. May be repeated under a different subtitle.

ANT 499. Honors Work in Anthropology (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Art Course Descriptions

(Department of Art and Theatre)

ART 101, 102. Design (3,3) 101: Study of the principles of two-dimensional design and introduction to color theory. 102: Study of the concepts of three-dimensional design and of the nature of problem solving. One lecture and six studio hours each week.

ART 111. Drawing Fundamentals (3) Fundamentals of drawing; investigation of processes and visual concepts with emphasis on charcoal. Four studio hours each week.

ART 112. Drawing Fundamentals (3) Fundamentals of drawing; investigation of processes and visual concepts with emphasis on linear media pencil, stick graphite, charcoal pencil, and ink. Four studio hours each week.

ART 201. Ancient World Through Medieval Period (3) A survey of art from ancient through medieval with an emphasis on major artistic developments in their historical and cultural context from 20,000 B.C. to 1400 A.D.

ART 202. Renaissance Through Impressionism (3) A survey of Western art from the Renaissance through Impressionism (c.1880), with emphasis on major artistic movements examined within their cultural and historical context.

ART 203. Post-Impressionism to Contemporary Art (3) A survey of Western art from 1880 to the present, with emphasis on major artistic movements examined within their cultural and historical context.

ART 211. Beginning Life Drawing (3) Prerequisite: ART 111 or 112 with permission of instructor. Drawing from the model: structure, geometric form, and composition using various media: pencil, charcoal, india ink, etc. Six hours per week.

ART 212. Beginning Life Drawing (3) Prerequisite: ART 111 or 112 with permission of instructor. Drawing from the model: structure, anatomy and composition using various media: pencil, charcoal, india ink, etc. Six studio hours per week.

ART 220. (CSC 220) Computer Animation for the Visual Arts (3) Prerequisite: ART 101 or consent of instructor. Exploration of design elements of shape, line, texture, value, color, space, and time using computer graphics software with microcomputers. Projects in 2-D and animation.

ART 221. Beginning Ceramics (3) Introduction to pottery: handbuilding and throwing on the potter's wheel; design and form; basic glazing practices; ceramic terminology; history. One lecture and five studio hours each week.

ART 233. Beginning Intaglio and Relief (3) Prerequisite: ART 101. Survey of intaglio and relief printmaking history and techniques. Introduction to relief processes on blocks and intaglio processes on plates. Woodcut, linocut, monotype, drypoint, line etching, and soft ground etching. Six studio hours per week.

ART 235. Beginning Serigraphy (3) Prerequisite: ART 101 or ART 241 or ART 242. Introduction to screen printing techniques and history. Blockout, resist, reduction and lacquer film. Six studio hours per week.

ART 237. Beginning Lithography (3) Prerequisites: ART 233 or 235. Introduction to the history, chemistry, and technique of stone lithography. Crayon drawing, tusche wash, rubbing crayon, and maniere noire. Six studio hours per week.

ART 242. Beginning Painting (3) Fundamentals of painting, investigating the medium of acrylics with emphasis on perceptual and conceptual processes. Six studio hours each week.

ART 251, 252. Beginning Sculpture (3,3) Prerequisite: ART 102 or consent of instructor. Three-dimensional form in clay and plaster; basics of modeling and casting abstract and life forms. One lecture and six studio hours each week.

ART 301. Ancient Art (3) Prerequisite: ART 201. A study of the art of Greece, Etruria, Rome and the Aegean from 1500 BC to AD 350. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.

ART 302. Early Medieval Art (3) Prerequisite: ART 201. A study of European art from 350 to 1000 AD. Emphasis on architecture, painting, and sculpture as related to early medieval history and culture.

ART 303. Medieval Art (3) Prerequisite: ART 201. A study of the art of the Romanesque and Gothic periods in Europe from 1000 to 1400 AD. Emphasis on architecture, painting, sculpture, and graphics as related to medieval history and culture.

ART 304. Northern Renaissance Art (3) Prerequisite: ART 202. A study of the art in Northern Europe, exclusive of Italy, from 1200 to 1600 AD. Emphasis on architecture, painting, sculpture, and graphics as related to the history and culture of the period.

ART 305. Italian Renaissance Art (3) Prerequisite: ART 202. A study of art in Italy from 1200 to 1600 AD. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture of the period.

ART 306. Baroque and Roccoco Art (3) Prerequisite: ART 202. A study of European art from 1600 to 1750 AD. Emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

ART 307. Nineteenth Century European Art (3) Prerequisite: ART 202. A study of nineteenth century European art with an emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

ART 308. Twentieth Century Art (3) Prerequisite: ART 202 or 203. A study of art in Europe and the United States from 1900 to the present. Emphasis on architecture, painting, sculpture, graphics and other vehicles of artistic expression as related to history and culture of the period.

ART 309, 310. American Art (3,3) Prerequisite: ART 201, 202 or 203. ART 309: United States from first explorations to the Civil War. ART 310: United States from 1865 to World War II. A study of art in America exclusive of that produced by indigenous peoples. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture.

ART 311. Intermediate Life Drawing (3) Prerequisite: ART 211, 212 or permission of instructor. Drawing from the model: structure, composition, development of personal expression. Six studio hours per week.

ART 312. Intermediate Life Drawing (3) Prerequisite: ART 211, 212, or permission of instructor. Drawing from the model: structure, anatomy, development of personal expression. Six studio hours per week.

ART 321, 322. Intermediate Ceramics (3,3) Prerequisite: ART 221 or consent of instructor. Further exploration of three-dimensional forms and design in manipulation of clay and glazes; basics of kiln construction and chemistry of glazes. One lecture and six studio hours each week.

ART 333. Intermediate Intaglio and Relief (3) Prerequisite: ART 233. Further exploration of relief and intaglio processes. Color reduction woodcut, wood engraving, large-scale monotype, copper engraving, mezzotint, multi-plate color intaglio. Six studio hours per week.

ART 335. Intermediate Serigraphy (3) Prerequisite: ART 235. Further exploration of screen printing processes. Photo-serigraphy, photo-montage, and large-scale prints. Six studio hours per week.

ART 337. Intermediate Lithography (3) Prerequisite: ART 237. Further exploration of hand lithographic processes. Multi-stone color, aluminum plate, acid tint, and copier toner. Six studio hours per week.

ART 341, 342. Intermediate Painting (3,3) Prerequisite: ART 242 or consent of instructor. Further investigation of materials and visual concepts, with attention to expanding the fundamentals of painting. Six studio hours each week.

ART 351, 352. Intermediate Sculpture (3,3) Prerequisite: ART 251, 252, or consent of instructor. Three-dimensional form in plaster, ceramics and metals. One lecture and six studio hours each week.

ART 385. History of Printmaking (3) Prerequisite: ART 202 or 203. A survey of printed pictures from the 15th century to the present. Emphasis on the evolution of printmaking with specific attention to its practical applications, as well as its function as fine art.

ART 387. (ANT 387) Museum Studies (3) Prerequisite: Permission of instructor. A lecture course focusing on the philosophies and practical exigencies of management of a museum. The course involves actual experience at local museums under the supervision of the director, familiarity with museum policies, roles of the staff, and work within the major areas of museum operations of administration, exhibition and education.

ARTL 387. (ANTL 387) Museum Studies Practicum (1) Corequisite: ART 387 (ANT 387). Practicum includes exhibit installations, sales gallery operations, working with the permanent collection, and assessing and developing educational programs. Three hours each week.

ART 411. Advanced Life Drawing (3) Prerequisite: ART 311, 312 or permission of instructor. Drawing from the model: drawing as a finished product, exploration of drawing techniques. Six studio hours per week.

ART 412. Advanced Drawing (3) Prerequisite: ART 411 or permission of instructor. Drawing as finished product, exploration of drawing techniques. Six studio hours per week.

ART 421, 422. Advanced Ceramics (3,3) Prerequisite: ART 321, 322, or consent of instructor. Advanced study of pottery form and design with emphasis on kiln construction and theory; physical and chemical properties of clays and glazes including the empirical method of glaze calculation. One lecture and six studio hours each week.

ART 433. Advanced Intaglio and Relief (3) Prerequisite: ART 333. Advanced exploration of relief and intaglio processes and issues. Vitreography, photo-etching, large-scale prints, image cycles. Six studio hours per week.

ART 435. Advanced Serigraphy (3) Prerequisite: ART 335. Advanced exploration of screen printing processes and issues. Monoprints, mixed media, three-dimensional prints, large-scale prints, and image cycles. Six studio hours per week.

ART 437. Advanced Lithography (3) Prerequisite: ART 337. Advanced exploration of lithographic processes and issues. Waterless lithography, xerox transfer, mixed-media prints, monoprints, large-scale aluminum plate prints, and image cycles. Six studio hours per week.

ART 441, 442. Advanced Painting (3,3) Prerequisite: ART 342 or consent of instructor. Elaboration of conceptual, perceptual, and expressive painting modes with emphasis on individual development. Six studio hours each week.

ART 451, 452. Advanced Sculpture (3,3) Prerequisite: ART 351, 352, or consent of instructor. Continuation of study of form with emphasis on casting and welding of metals. One lecture and six studio hours each week.

ART 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

ART 495. Seminar In Art (1-3) Prerequisite: Junior standing. Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.

ART 498. Internship in Art (3 or 6) Prerequisite: Junior or senior standing, and permission of chair. Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

ART 499. Honors Work in Art (2-3) Prerequisite: Eligibility for Honors Program, and junior or senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Biological Sciences Course Descriptions

(Department of Biological Sciences)

BIO 105. Concepts of Modern Biology (4) An introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. This course employs multi-media instructional materials and is designed for the non-biology major. Three lecture hours and three laboratory/discussion hours each week.

BIO 108. Introduction to Clinical Laboratory Science (1) A survey of Clinical Laboratory Science (Medical Technology) as a career option. Explores the many disciplines encompassed by the profession including microbiology, chemistry, blood banking, and hematology as they apply to the medical diagnostic laboratory, as well as brief considerations of cytotechnology and histotechnology. The course includes a discussion of the nature and scope of necessary skills, opportunities for advancement, certification requirements, and visits to a hospital laboratory. One hour and 15 minutes each week.

BIO 109. Introduction to Conservation Biology (1) A seminar to acquaint students with conservation biology. Includes an overview of the discipline; current topics of interest; and an appraisal of the curriculum and career opportunities.

BIO 110, 205, 206. Core courses for biology majors.

BIO 110. Principles of Biology (4) Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. Laboratory exercises reinforce concepts presented in lecture and introduce basic investigative skills and methods of biological inquiry. Designed primarily for biology majors. Three lecture and three laboratory hours each week.

BIO 205. Plant Biology (4) Prerequisite: BIO 110, EVS 195, or consent of instructor. Ecological and evolutionary principles emphasized in a phylogenetic survey of both vascular and non-vascular plant groups. Morphology and physiology of seed plants, stressing principles of adaptation and relationship with biotic and abiotic components of ecosystems. Three lecture and three laboratory hours each week.

BIO 206. Animal Biology (4) Prerequisite: BIO 110, EVS 195, or consent of instructor. Evolution, classification and diversity of animals, and structure and functions of major body systems, especially of humans. Three lecture and three laboratory hours each week.

BIO 235, 236, 237, 238. Elective courses primarily for non-major students, emphasizing "man in the natural world;" two or more to be offered each semester.

BIO 235. Genetics in Human Affairs (3) A discussion of basic principles of genetics for non-majors or majors with the ultimate goal of developing an understanding of the relationship of genetics to the society of today and its possible influence on the future of man. A survey of current knowledge of the inheritance of human traits is included.

BIO 236. Biology of the Sea (3) An introduction to marine environments, the diversity of marine life and the role of man in the utilization of marine resources. Students will become acquainted with local marine habitats, including: salt marshes, sandy beaches, tidal flats and rocky shores.

BIO 237. Plants and the Environment (3) An introduction to the plant kingdom through study of plant diversity, structure, and function as they relate to environmental issues such as global carbon balance, deforestation, agricultural runoff, and the effects of the introduction of genetically engineered plants. The impact of plants on human culture, history, civilization, and economics.

BIO 238. Microbes and Human Society (3) An introduction to the world of the microorganism, focusing on the diversity, structure and function of microbial life, the spread and control of disease-producing organisms, and the impact of these life forms on human culture, history, and civilization.

BIO 240-241. Human Anatomy and Physiology (4-4) A comprehensive introduction to the anatomy and physiology of the human organism. Organ systems of the body are discussed individually and as parts of interacting groups, with emphasis on the processes which maintain an internal steady-state. Three lecture and three laboratory hours each week.

BIO 246. Microbiology of Human Diseases (4) Prerequisite: BIO 240. An introduction to the biology of microorganisms which affect humans. Emphasizes pathogenic and related microorganisms. The basic microbiological techniques needed to isolate, identify and control microorganisms will be covered. Three lecture and four laboratory hours each week.

BIO 315. Comparative Vertebrate Anatomy (4) Prerequisite: BIO 206. Comparative morphology and phylogenetic interrelationships of vertebrate animals; representative organisms dissected in laboratory. Three lecture and three laboratory hours each week.

BIO 316. Vertebrate Embryology (4) Prerequisite: BIO 206. Fundamental principles of embryonic development of vertebrate animals; frog, chick, and pig emphasized. Three lecture and three laboratory hours each week.

BIO 320. Immunology (3) Prerequisite: BIO 110. An introduction to the basic principles of immunology, including the normal immune response and consequences of immune dysfunction. Autoimmunity, immunodeficiencies including AIDS, and hypersensitivities are included.

BIO 335. Genetics (3) Prerequisite: BIO 110. Principles of Mendelian heredity, linkage, mutation, population genetics, and gene action.

BIOL 335. Genetics Laboratory (1) Corequisite: BIO 335. Demonstration of basic heredity principles through study of Drosophila and other genetic systems. Three laboratory hours each week.

BIO 345. Animal Physiology (4) Prerequisite: BIO 110 and CHM 102. Comparative study of physiological processes in different organisms approached through study of tissues, organs, and systems. Three lecture and three laboratory hours each week.

BIO 347. Molecular Biology of the Cell (3) Prerequisite: BIO 110 and CHM 211. Chemical and physical properties of cells. Emphasis on molecular biology and experimental biological systems used to elucidate cellular function.

BIOL 347. Molecular Biology of Cell Laboratory (1) Prerequisite or corequisite: BIO 347. Experiments demonstrating basic phenomena underlying cellular function. Three laboratory hours each week.

BIO 355. Plant Physiology (4) Prerequisite: BIO 110 and CHM 102. A study of plant function at the molecular, cellular, and organismic levels. Emphasis placed on unique aspects of vascular plants. Topics include water relations, solute transport, photosynthesis, nitrogen metabolism, plant hormones, photocontrol of development, and stress physiology. Three lecture and three laboratory hours each week.

BIO 356. Vertebrate Natural History (4) Prerequisite: BIO 206. Identification, classification, and life histories of common vertebrate animals of eastern North Carolina with emphasis on field work. Two lecture and four laboratory hours each week.

BIO 358. Marine Mammals (3) Prerequisite: BIO 206. Study of pinnipeds, cetaceans, and sirenians, emphasizing their evolution and taxonomic relationships, anatomical and physiological adaptations, ecologic and economic importance, and natural history.

BIO 362. Marine Biology (4) Prerequisite: BIO 205 and 206. The coastal and oceanic biota and their relationship to the marine environment. Three lecture and four laboratory hours each week.

BIO 364. Ecology of North America (3) Prerequisite: Junior status. Overview of the biomes and principal biotic communities of North America, including the conservation issues peculiar to each.

BIO 365. Invertebrate Zoology (4) Prerequisite: BIO 206. Invertebrate organisms with emphasis on structure, function, taxonomy, phylogeny, and life histories. Three lecture and three laboratory hours each week.

BIO 366. Ecology (4) Prerequisite: BIO 205 and 206. Ecological principles pertaining to both plants and animals. Three lecture and three laboratory hours each week.

BIO 371. Human Fungal Diseases (1) Prerequisite: BIO 110. An in-depth consideration of human mycotic diseases for medical technology, nursing and premedical students. Emphasis will be placed on etiology, predisposing conditions, clinical diagnosis, immunology, serology and therapy of most presently recognized human mycoses.

BIO 375. Plant Morphology (4) Prerequisite: BIO 205. Morphological survey of algae, fungi, bryophytes, lower vascular plants, and seed plants, with emphasis on life histories, structure, and development. Three lecture and three laboratory hours each week.

BIO 377. Mycology (4) Prerequisite: BIO 110. Taxonomy, morphology, and ecology of fungi with emphasis on fungal evolution and the importance of fungi to humans. Fungi as agents causing both plant and animal diseases. Three lecture and three laboratory hours each week.

BIO 410. (512) Electron Microscopy and Cell Ultrastructure (3) Prerequisite: BIO 347. A discussion of the general and specialized techniques of transmission and scanning electron microscopy and their application to the elucidation of the structure and function of cell organelles in plants and animals.

BIOL 410. (512) Electron Microscopy Laboratory (1) Corequisite: BIO 410 and permission of instructor. Techniques for fixing, embedding, and thin sectioning of tissues will be demonstrated. Students will prepare a material of choice for observation and analysis and examine the prepared material with the electron microscope. Three laboratory hours each week.

BIO 415. (520) Vertebrate Histology (4) Prerequisite: BIO 206. An introduction to the cytology and morphology of vertebrate cells and tissues, including examination of the four major histological tissues: epithelium, connective tissue, muscle, and nerve. Other topics include the techniques and instrumentation of light microscopy and selected methods of sectioning, fixation, and staining of tissues. Student project required. Three lecture and three laboratory hours each week.

BIO 420. (541) Pathophysiology (3) Prerequisite: Permission of the instructor. Survey of the physiologic and biologic manifestations of disease, emphasizing how alterations in structure and/or function disrupt the human body as a whole. Overall mechanisms of disease are introduced and described to allow coverage of specific diseases within each system.

BIO 425. (524) Microbiology (4) Prerequisite: BIO 110 and junior status. Study of nonpathogenic and pathogenic microorganisms with emphasis on the biology of viruses and bacteria. Laboratory sessions include techniques required to identify, culture and stain selected microorganisms. Three lecture and four laboratory hours each week.

BIO 430. (529) (ANT 430) Evolutionary Biology (3) Prerequisite: BIO 335. Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics using relevant illustrative examples from the literature.

BIO 435. (535) Molecular Genetics (3) Prerequisite: CHM 102, BIO 335 and 347 or 465. An overview of current understanding of the nature, function, and control of genes. Topics include the nature of genetic information; the sequence organization and packaging of the eucaryotic genome; DNA, RNA, and protein synthesis; recombinant DNA technology; RNA processing; transposable genetic elements; and antibody diversity, synthesis, and function.

BIO 436. (536) Recombinant DNA Techniques (4) Prerequisite: One of the following: BIO 335, 347, or 465. Basic principles and techniques of gene cloning using three major types of cloning vectors; lambda phage, plasmids, and the single stranded DNA phage M13. Provides hands-on experience in recombinant DNA methology. Three lecture and three laboratory hours each week.

BIO 440. (544) Developmental Biology (4) Prerequisite: BIO 335. Concepts of mechanism and control during embryo development and morphogenesis. Topics include differential gene activity, hormones and other growth substances, and cell surface phenomena. Current primary research literature is stressed. Three lecture and three laboratory hours each week.

BIO 445. (545) Marine Physiology (4) Prerequisite: BIO 365. Introduction to physiological system characteristic of marine vertebrates and invertebrates. Emphasis on the mechanisms underlying osmoregulation, respiration, temperature regulation, digestion, and movement. Three lecture and three laboratory hours each week.

BIO 446. (571) Phycology (4) Prerequisite: BIO 205. An introduction survey of algal groups including benthic planktonic freshwater and marine representatives in local environments. Morphology, life histories, and ecology are emphasized. Collection and preservation techniques are demonstrated. Three lecture and three laboratory hours each week.

BIO 452. (554) Mammalogy (4) Prerequisite: BIO 206. Study of mammals, emphasizing their evolution, taxonomic relationships, structural and physiological adaption, and life histories.

Laboratory sessions will include collection, identification, and preparation of specimens and observations of mammals in the field. Three lecture and three laboratory hours each week.

BIO 454. (557) Herpetology (4) Prerequisite: BIO 206. Study of the biology of amphibians and reptiles of the world. Natural history, ecology, morphology, and taxonomic relationships are stressed. Three lecture and three laboratory hours each week.

BIO 456. (556) Ornithology (4) Prerequisite: BIO 206. An introduction to the life of birds. Emphasis will be on the identification, classification, evolution, ecology, and life histories of the birds of North Carolina. Three lecture and three laboratory hours each week.

BIO 457. (537) Ichthyology (4) Prerequisite: BIO 206. The systematics, evolution, and natural history of fishes, with field work emphasizing the ecology and behavior of fishes. Field trips and individual research projects required. Three lecture and three laboratory hours each week.

BIO 458. (565) Fisheries Biology (4) Prerequisite: BIO 457, one course in statistics, and consent of instructor. Advanced studies in the biology of fishes. Such topics as age, growth, foods, parasites, population dynamics, reproduction, migration and economic pressures are covered. A technical report on the biology of a fish species is required. Three lecture and three laboratory hours each week.

BIO 460. (567) Limnology (4) Prerequisite: BIO 110 and CHM 102 and junior status. An examination of the physical, chemical, and biological characteristics of freshwater systems, particularly lakes, with an emphasis on the interrelationships of these characteristics. Three lecture and three laboratory hours each week.

BIO 462. (552) Deep Sea Biology (3) Prerequisite: BIO 362. The deep sea biosphere, with emphasis on the biology of abyssal zones off the North Carolina coast and hydrothermal vent ecosystems. Topics include unique benthic and pelagic animals in deep sea environments and their physiological adaptations to hydrostatic pressure and low temperature, nutritional dynamics, reproductive strategies, energy flow, and speciation in abyssal and ultraabyssal zones.

BIO 465. (540) Biochemistry (3) Prerequisite: BIO 110 and CHM 211 and junior status. Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms.

BIOL 465. (540) Biochemistry Laboratory (1) Corequisite: BIO 465. Experiments demonstrating basic phenomena and techniques of biochemistry. Three laboratory hours each week.

BIO 466. Conservation Biology (3) Prerequisite: BIO 335, 366, and an additional 17 hours in biology. Island biogeography, threats to biodiversity; population ecology and genetics; and other concepts associated with the preservation of species and ecosystems.

BIO 468. (570) Planktonology (4) Prerequisite: BIO 365 or consent of instructor. Classification, physiology, and ecology of phytoplankton and zooplankton. Discussion of current topics in plankton biology. Two lecture and four laboratory hours each week.

BIO 470. Ecology of Human Populations (3) Prerequisite: BIO 345, 366. A study of man's adaptation to diverse world environments utilizing geological, physiological, and ecological principles.

BIO 472. (572) Marine Phycology (4) Prerequisite: BIO 205. An introduction to the morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. Three lecture and three laboratory hours each week.

BIO 474. (576) Comparative Morphology of Vascular Plants (4) Prerequisite: BIO 205. An in-depth study of the major groups of vascular plants with emphasis on structure, life histories, development, and phylogeny. Three lecture and three laboratory hours each week.

BIO 475. (574) Plant Taxonomy (4) Prerequisite: BIO 205. An introduction to identification, classification, and nomenclature of vascular plants with emphasis on the flora of southeastern North Carolina. Two lecture and four laboratory hours each week.

BIO 478. Global Environmental Problems (3) Prerequisite: BIO 110 or CHM 102 or EVS 195 and junior status. Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, pollution impacts.

BIO 480. (580) Field Studies in Biology (1-6) Prerequisite: BIO 205, 206, and consent of instructor (BIO 366 and credit in advanced zoology or botany recommended). A research/experience-oriented field course offered in selected regional locales. Emphasis is placed on distribution, taxonomy, and ecology of animal and/or plant organisms.

BIO 481. (559) Marine Invertebrate Zoology (4) Prerequisite: BIO 205 and 206. A field oriented course that provides in-depth ecological and taxonomic treatment of selected invertebrate groups. Three lecture and three laboratory hours each week.

BIO 482. (582) Wildlife Ecology (3) Prerequisite: six hours of biology courses. Principles of wildlife ecology and management, including population dynamics, diseases, techniques, behavior, habitat manipulations, policy and administration, and contemporary issues such as antihunting. Assigned field problems.

BIO 485. (585) Special Topics in Advanced Biology (1-6) Designed to deal with selected topics not considered in detail in regular course offerings. More than one topic may be taken for credit.

BIO 487 (587). (GLY 458/558) Introduction to Coastal Management (4) Prerequisites: Junior standing or consent of instructors. Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems. Three lectures and three laboratory hours each week.

BIO 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

BIO 495. Seminar (1-3) Prerequisite: Junior or senior standing and consent of instructor. Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology. May be repeated for a maximum of three semester hours.

BIO 499. Honors Work in Biology (2-3) Prerequisite: Second semester junior or senior standing. Independent study for honor students.

For 292 and 492; 294 and 494 see explanations, on p. 170, 111.

Business Law Course Descriptions

(Department of Accountancy and Business Law)

BLA 261. Law and Society (3) Prerequisite: For nonbusiness majors only. Study of the American Legal System and how the legal system affects the rights and activities of indi-

viduals. Examines and distinguishes the civil law system and the criminal law system. Topics also include Tort Law, Contract Law, Property Law, Constitutional Law, Antitrust law, Copyright Law, and International Law.

BLA 361. Legal Environment of Business (3) Prerequisite: Junior or senior standing. Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values. Topics include agency, antitrust, forms of business organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

BLA 362. Environmental Law (3) An examination of the purposes, methodology, and impacts of the environmental regulatory process, ranging from the traditional common law remedies to novel approaches such as the pollution rights markets. Students will gain a fundamental understanding of the context of environmental law.

BLA 461. Commercial Law (3) Prerequisite: Junior or senior standing. Study of the commercial legal environment in which business enterprises operate. Examines the law of contracts, sales and warranties, security interests, commercial paper, and debtor and creditor rights.

BLA 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

BLA 495. Senior Seminar in Business Law (3) Prerequisite: BLA 361 and senior standing. Special topics in accountancy not regularly addressed in other courses in business law.

BLA 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Business Course Descriptions

(Department of Management and Marketing)

BUS 150. Introduction to Business (3) A survey of the essential business processes required to compete effectively in today's global market. Business issues, decisions and practices facing managers in this dynamic marketplace are examined. Contemporary issues challenging businesses are integrated into the course as well. Themes stressed throughout the course are: competing in a global market, social responsibility, ethical business practices and career opportunities. (Not available for credit to students enrolled in the Cameron School of Business.)

BUS 498. Internship in Business (1-6) Prerequisite: Senior standing and consent of faculty supervisor. Involves the application of business concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

Chemistry Course Descriptions

(Department of Chemistry)

CHM 101-102. General Chemistry (3-3) Prerequisite or corequisite: MAT 111-112 or 115. Fundamental laws, principles, and theories of chemistry and a study of selected elements and compounds. Normally taken concurrently with CHML 101-102.

CHML 101-102. General Chemistry Laboratory (1-1) Prerequisite or corequisite: CHM 101-102. Introduction to techniques and equipment in the chemistry laboratory; interpretation of experimental results. Quantitative and qualitative analysis included. Three laboratory hours each week.

CHM 103. Chemistry in Everyday Life (4) A terminal, relatively non-mathematical one-semester course in chemistry for the nonscience major. Topics include atomic and molecular

structure as a basis for a general understanding of chemical reactions, drug activity, cancer, nuclear power, pesticides, environmental problems, energy resources, food additives, and the chemical industry. Three lecture and three laboratory/discussion hours each week. May not be taken for credit after CHM 102 has been passed.

CHM 211-212. Organic Chemistry (3-3) Prerequisite: CHM 102 and CHML 102. Introduction to the chemistry of carbon compounds, including structural theory, synthesis, and reaction mechanisms. Normally taken concurrently with CHML 211-212.

CHML 211-212. Organic Chemistry Laboratory (1,1) Prerequisite or corequisite: CHM 211-212. Three laboratory hours each week.

CHM 215. Fundamentals of Organic and Biological Chemistry (3) Prerequisite: CHM 101 and CHML 101. A one-semester study of organic and biological chemistry. Topics include carboxylic acids, esters, amines, amides, carbohydrates, lipids, proteins, nucleic acids, nutrition, enzymes, hormones, neurotransmitters, and intermediary metabolism.

CHML 215. Laboratory for Fundamentals of Organic and Biological Chemistry (1) Corequisite: CHM 215. Introduction to equipment and techniques of organic and biological chemistry and interpretation of experimental results. Three laboratory hours each week.

CHM 235. Quantitative Analysis (2) Prerequisite: CHM 102, CHML 102. Prerequisite or corequisite: CHM 255. Theory of (a) gravimetric and volumetric analysis, (b) instrumental techniques, and (c) sampling, sample preparation, and monitoring of air, water, etc. Normally taken concurrently with Quantitative Analysis Laboratory.

CHML 235. Quantitative Analysis Laboratory (2) Prerequisite or corequisite: CHM 235. Four laboratory hours each week.

CHM 255. Introduction to Computer Applications and Chemical Literature (3) Prerequisite or corequisite: CHM 211. Microcomputer applications in chemistry, including an introduction to microcomputer design, peripherals, applications, communications, and instrument interfacing. Organization of the chemical literature, literature search by traditional and computer methods, and data retrieval. (No computer experience required. Intended for students who will be taking CHM 235 or 321).

CHM 315-316. Advanced Techniques of Organic Chemistry (2-2) Prerequisite or corequisite: CHM 211-212 and CHML 211-212. Theory and practice of chromatographic methods of separation and spectroscopic methods of identification. One lecture and three laboratory hours each week.

CHM 321. Fundamentals of Physical Chemistry (4) Prerequisite: CHM 102, 255 or equivalent, PHY 202. An overview of topics in physical chemistry stressing fundamental concepts in thermodynamics, kinetics and quantum mechanics.

CHM 322. Physical Chemistry (3) Prerequisite: CHM 102, 255 or equivalent, PHY 202, and MAT 261. Chemical kinetics, introduction to quantum mechanics, atomic and molecular structure, and spectroscopy.

CHML 321-322. Physical Chemistry Laboratory (1,1) Prerequisite or corequisite: CHM 321 and 322, respectively. Three laboratory hours each week.

CHM 377. Environmental Chemistry (3) Prerequisite: CHM 102. Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics.

CHML 377. Environmental Chemistry Laboratory (1) Corequisite: CHM 377. Laboratory analysis of environmental samples, including applications of standard EPA methods. Three laboratory hours each week.

CHM 415. (515) Advanced Organic Chemistry (3) Prerequisite: CHM 212. Theoretical organic chemistry with emphasis on reaction mechanisms and special synthetic methods.

CHM 417. (517) Medicinal Chemistry (3) Prerequisite: CHM 212. Systematic study of the chemistry, as well as the biological activity of hormones, vitamins, drugs affecting the nervous system, and other miscellaneous agents. Prior CHM 415 or CHM 465 is recommended. Spring 1994 and alternate years.

CHM 435. (535) Advanced Analytical Chemistry (2) Prerequisite: CHM 235, 321, and CHML 321. Theory of modern analytical instrumentation and techniques. Normally taken concurrently with CHML 435.

CHML 435. (535) Advanced Analytical Chemistry Laboratory (2) Prerequisite or corequisite: CHM 435. Four laboratory hours each week.

CHM 445. Inorganic Chemistry (3) Prerequisite: CHM 321. Study of periodic relationships: crystal lattice theory; transition metals and ions; crystal field theory; organometallic structures and reactions; and reaction mechanisms.

CHML 445. Inorganic Synthesis (1) Prerequisite or corequisite: CHM 445. Synthesis and techniques in inorganic chemistry. Normally taken concurrently with CHM 445. Three laboratory hours each week.

CHM 446. (546) Advanced Inorganic Chemistry (3) Prerequisite: CHM 445. Topics in inorganic chemistry, including ligand field theory; chemical applications of group theory; hybridization of orbitals and molecular orbital theory, molecular vibration, spectroscopy, and principles of quantum mechanics. This course will emphasize these topics in the framework of the molecular symmetry.

CHM 465. (565) Biochemistry (3) Prerequisite: CHM 212 and 321. Study of the physical structures of carbohydrates, lipids, amino acids, proteins, nucleic acids, vitamins and minerals and the chemical principles governing their biological activity. Special emphasis will be given to enzyme kinetics, solution properties of macromolecules, and the thermodynamic principles of intermediary metabolism.

CHM 467. (567) Biochemical Techniques and Instrumentation (2) Prerequisite or corequisite: CHM 465 or consent of instructor. Theory and practice of advanced biochemical techniques, including buffer and reagent preparation, protein assay, protein purification, electrophoresis, enzyme kinetics, tryptic peptide digestion, membrane vesicle construction, DNA isolation, and molecular modeling. One lecture and three laboratory hours each week.

CHM 475. (575) Chemical Oceanography (3) Prerequisite: CHM 102. Sources, distribution, forms of occurrence, and reactions of chemical species in seawater. This course will emphasize estuarine reactions, dynamic equilibria, air-seawater and sediment-seawater reactions, and human impact on the oceans. Prior GLY 150 is recommended.

CHM 476. (576) Chemical Analysis of Natural Waters (2) Prerequisite: CHM and CHML 235. Standard chemical methods will be used to analyze natural water samples, including fresh water samples and seawater. Methods will be evaluated with respect to appropriate applications. Analyses to be studied include salinity, chloride, dissolved oxygen and oxygen demand, pH and alkalinity, nutrients, chlorophyll, suspended material, and dissolved metals. One lecture and three laboratory hours each week.

CHM 485. (585) Industrial and Polymer Chemistry (3) Prerequisites: CHM 211-212 and 321. Properties, synthesis, and reactions of major industrial chemicals; synthetic plastics, polyesters, polyamides, and rubbers; soaps and detergents; petrochemicals; paints and pigments; dyes; explosives; pulp and paper; pharmaceutical and nuclear industries; mechanism of polymerization, copolymerization; physical and chemical properties of polymers; polymer characterization; advances in polymer technology.

CHM 490. (590) Special Topics in Chemistry (1-3) Prerequisite: Junior or senior standing and consent of instructor. Selected topics in chemistry that are beyond the scope of regular course offerings. May be repeated once under a different subtitle.

CHM 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

CHM 495. Senior Seminar (1-3) Prerequisite: CHM 255 and 25 semester hours of chemistry courses. Discussion of selected topics. One hour each week.

CHM 498. Internship in Chemistry (3-12) Prerequisite: CHM 212, CHML 212, CHM 235 and CHML 235; junior or senior standing in chemistry; consent of instructor; and GPA of at least 2.80 in chemistry. Practical field experience and academic training related to the student's principal area of interest through a program of work and study within a business or agency. Student is supervised and evaluated jointly by a chemistry faculty member and an on-site supervisor. (Only three hours may count toward a major in chemistry.)

CHM 499. Honors work in Chemistry (2-3) Prerequisite: Second semester junior or senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Classical Studies Course Descriptions

(Department of Foreign Languages and Literatures)

CLA 110. English Words from Latin and Greek Elements (3) A systematic study of the Latin and Greek elements from which over two thirds of English vocabulary are formed. Emphasis on developing a better understanding of English vocabulary and usage, learning to analyze unknown words encountered in reading, learning principles of linguistic change, and examining the history of the English language. Special sections on legal, scientific, military and sports terminology. No knowledge of Latin or Greek is needed.

CLA 209. (ENG 209) Classical Literature in Translation: Topics (3) Prerequisite: ENG 102. Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.

CLA 210. (ENG 210) Mythology (3) Prerequisite: ENG 102. The major mythological systems of Western society—Greek, Roman and Norse. Mythology of other parts of the world and related material are also considered.

CLA 330. Women in Ancient Greece and Rome (3) Prerequisite: Sophomore standing. Women in ancient Greece and Rome through documentary, artistic and literary sources. Women's economy and community, medical issues, slavery, religion, construction of gender roles, and images of heroines in literature and the arts

CLA 345. (ENG 345) Topics in Mythology (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. The study of a selected theme in world mythologies. Content varies from semester to semester. May be repeated once under a different subtitle.

CLA 491. Directed Individual Study (1-3): Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult Directed Individual Studies section in this catalogue.

Clinical Laboratory Sciences Course Descriptions

(Department of Biological Sciences)

CLS 401. Immunology-Serology (2) A study of the innate and adaptive immune response mechanisms in the body and the laboratory methods used to evaluate these responses. Special emphasis on serological techniques.

CLS 405. Hematology (8) A study of the formation, morphology, and functions of human blood cells, primary and secondary hematological diseases and clinical laboratory tests for diagnosing them; hemostasis and the evaluation of clotting disorders.

CLS 407. Immunohematology (4) A study of the clinical transfusion service, including collection and handling of donor blood and its components, blood typing, compatibility testing between donor and recipient blood and between maternal and fetal blood, and identification of factors responsible for incompatibilities.

CLS 412. Clinical Microbiology (8) A study of the medically important bacteria, fungi, viruses, parasites, and associated infectious diseases; special emphasis on the study of appropriate clinical specimens for isolation and identification of microorganisms involved in the infectious process and on testing these isolates for antibiotic susceptibility.

CLS 414. Clinical Microscopy (2) Chemical and microscopic study of urine and other body fluids in health and disease, microscopic analysis of urinary sediment, and study of renal physiology.

CLS 420. Clinical Chemistry (8-10) Study of the biochemical analyses of blood and other body fluids to evaluate the enzymes,hormones, electrolytes, drugs, and other important chemicals in the body; use and maintenance of sophisticated instrumentation and quality control.

CLS 490. Special Topics in the Clinical Laboratory Sciences (1-2)

Communication Studies Course Descriptions

(Department of Communication Studies)

COM 105. Introduction to Communication Studies (3) Introduction to the study of human communication. Topics include communication theory, interpersonal communication, small group and organizational communication, public communication, mass communication and intercultural communication.

COM 110. Public Speaking (3) Preparation and presentation of public speeches, with emphasis in analysis, reasoning, organization, evidence, and delivery.

COM 116. Performance of Literature (3) Analysis of poetry, prose, and drama through the medium of oral performance; literary selection, dramatic analysis, characterization, and other performance strategies.

COM 210. Performance of Children's Literature (3) Principles of performance and analysis of children's literature, with special emphasis on prose and poetry for younger children. Traditional folk tales, picture books, and contemporary poetry are stressed.

COM 211. Storytelling (3) An introduction to the study and communication of stories and the artistic practice of storytelling; specific attention to personal stories, traditional folk and fairy tales, and North Carolina regional tales.

COM 216. Storytelling in the Community (2) Prerequisite: COM 116 or COM 211, and consent of instructor. Storytelling in real-life contexts with an emphasis on performing for elementary school children; theoretical foundations of performance strategies for participatory storytelling; audience-adaptation storytelling techniques. May be repeated for credit up to

eight hours. (A maximum of four hours may be used toward major degree requirements.) Three contact hours per week.

COM 220. Interpersonal Communication (3) This course focuses upon the communication process in face-to-face situations. It is designed to improve the everyday communication skills of the student through a greater understanding of the interpersonal process. Emphasis is placed upon the development of interviewing techniques, information acquisition and persuasive dialogues.

COM 221. Small-Group Communication (3) Theory and practice of small-group communication. Emphasis on learning how to work effectively in groups and how to manage group decision-making and problem-solving.

COM 222. Critical Listening (3) Prerequisite: COM 105. Study of listening as a communication activity with emphasis on theory and research.

COM 223. Mediation and Conflict Management (3) Mediation in both theoretical and practical contexts. Mediation skills for use in private and public settings, including the alternative dispute resolution methods of negotiation, arbitration, and litigation. Emphasis on the relations between mediation centers and the North Carolina court systems.

COM 230. Voice and Diction (3) Principles and use of the voice exercises in vocal variety, articulation and pronunciation.

COM 265. Survey of Mass Communication (3) Examination of mass communication focusing on the development, functions, theoretical foundations, and effects of mass media on individuals, society, and culture.

COM 268. Broadcast Journalism (3) Prerequisite: ENG 102. Principles and basic skills in writing for the broadcast media; includes exercises inside and outside of classroom. Emphasis on broadcast news writing, news coverage, news editing, and news problems and potentials.

COM 270. Parliamentary Procedure (1) Principles and rules governing deliberative assemblies.

COM 275. The Art of Persuasive Speech (3) Power of speech as a tool to influence thought processes of others in both negative and positive ways.

COM 276. Debate (3) Principles of argumentation and style in their application to formal debate; practice in conventional debate form on current national intercollegiate debate resolution.

COM 277. Argumentation (3) Principles of argumentation, including theory and practice. Emphasis on development of argument-analysis skills. Techniques for clear, effective, and reasoned advocacy.

COM 280. Principles of Video Production (3) Prerequisite: COM 265 or consent of instructor. Technologies, processes, and aesthetics of video production in the broadcast and non-broadcast environments. Topics include: the diverse video industry, project planning, script writing conventions, audio and video theory, camera technique, editing, lighting, emerging digital technologies, and directing. Primarily theoretical in approach with limited practical experience.

COM 290. Rhetoric of Popular Culture (3) Analysis will focus upon an understanding of the various persuasive influences inherent in modern society. Area of emphasis will include analysis of persuasive appeals in advertising, music, art, movies, theatre, social movements, politics, literature, and sports.

COM 295. Seminar in Communication Studies (3) Special topics in communication that are not dealt with in other courses. This course may be repeated under a different subtitle.

COM 300. Research Methods (3) Research methods in communication studies including laboratory and field experiments, surveys, data analysis, textual analysis, and ethnography.

COM 311. Communication and Leadership (3) Prerequisite: EDN 211 or consent of instructor. Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals. Development of conflict management and decision-making goals.

COM 316. Advanced Performance of Literature (3) Prerequisite: COM 116, or THR 230, or consent of instructor. Analysis of literature through advanced performance theory and skills; ways in which the expressive capacities of the performer's body, voice, and imagination are engaged with the aesthetic experience of contemporary literature; emphasis on contemporary performance theory, creative dramatics, character anlysis and biography. (A one-person show is required.)

COM 320. Performance of Southern Prose (3) Prerequisite: COM 116 or consent of instructor. Analysis and communication of humorous southern prose through its performance; the ways in which traditions associated with the southern culture are reflected in the works of writers such as Ferrol Sams, Clyde Edgerton, Eudora Welty, Florence King, and Flannery O'Connor; emphasis on intensive reading and advanced performance skills.

COM 325. Business and Professional Speaking (3) Prerequisite: COM 110. Public speaking skills in directed experiences especially related to speech communication tasks which accompany the role of a business or professional person. Topics include the delivery of briefings, manuscript speeches, conferences, interviewing, salesmanship, use of electronic extenders and visual aids.

COM 327. Organizational Communication (3) The study of communication in organizations: theories of communication and their applications to organizations.

COM 340. Communication Theory (3) Theoretical perspectives concerning how and why people communicate. Emphasis on a greater understanding of the human communication process.

COM 341. Rhetorical Theory (3) Introduction to the basic classical and contemporary theories of rhetoric from Plato through the present.

COM 345. Speech Writing (3) Prerequisite: ENG 102 and consent of instructor. The theory and practice of speech writing with special emphasis on writing speeches for others.

COM 360. Mass Media Research (3) Prerequisite: COM 265 or consent of instructor. Research techniques of the mass media through application of various methods to broadcast and print media, advertising, and public relations.

COM 365. Media Law (3) Prerequisite: COM 265, or 268, or consent of instructor. Survey of broadcast history, law, politics, and regulation with emphasis on the roles of the Federal Communications Commission, the White House, Congress, courts, citizen's groups, and the broadcast industry itself in creating and enforcing broadcast regulations.

COM 390. Intercultural Communication (3) Prerequisite: COM 110 or consent of instructor. Theoretical and practical perspectives on communication effectiveness in dealing with people, groups, or organizations that are culturally different within and across national boundaries.

COM 391. Interracial Communication (3) Content and quality of interracial relationships. Communicative behaviors between Euro- and African-Americans and contextual dynamics unique to such interactions.

COM 392. Aging and Communication (3) Communicative behavior of the elderly within the contexts of friendship networks, health care systems, the work place and the family. Social forces that influence society's perceptions of the aging communicator.

COM 415. Experimental Theatre (3) Prerequisite: COM 116, or THR 355, or consent of instructor. Study of literture through principles of group performance; emphasis on nonrealistic forms of theatre, including Readers Theatre and Chamber Theatre; selection and adaption techniques, use of focus, and imaginative direction and staging of nondramatic literature. (Term project in directing is required.)

COM 421. Introduction to Communication for Public Relations (3) Prerequisite: Any of the following: COM 265, 268, 275, 327, 340, 365, 465 or ENG 202. Principles of public relations, with special emphasis on those theories and skills relevant to the communication functions of businesses and non-profit organizations.

COM 422. Advanced Communication for Public Relations (3) Prerequisite: COM 421 or consent of instructor. Application of public relations skills to the contemporary organization, with emphasis on public relations as a managerial communication system. Public relations campaign management, programming, implementation and evaluation are stressed.

COM 423. Negotiation (3) Prerequisite: COM 223. Theoretical and practical perspectives of negotiation. Emphasis on negotiating techniques for use in business and interpersonal relationships, especially on the differences between integrative and distributive bargaining.

COM 441. Rhetorical Criticism (3) Prerequisite: COM 341 or consent of instructor. Contemporary and traditional methods of criticizing public discourse. Topics include Neo-Aristotelian, Eclectic, Burkian, and Feminist approaches.

COM 445. Nonverbal Communication (3) Study of nonverbal behavior as a communication system with emphasis on theory and research. Topics include touch, eye contact, body language, paralanguage, and space.

COM 450. History of Rhetoric and Public Address (3) A survey of the development of rhetorical principles and style as evidenced by significant historical personalities and the literary genre of public address.

COM 465. Mass Communication in Society (3) Prerequisite: COM 265. A seminar encompassing the development of mass communications, the obligations of the press, radio and television, the government and the right to know, censorship, invasion of privacy and other effects of mass communications.

COM 467. Broadcast Advertising and Audience Analysis (3) Prerequisite: COM 265 or consent of instructor. Examination of advertising from theoretical and practical perspectives, which take into account its economic and social effects on contemporary society.

COM 485. Senior Project (3)

COM 490. Senior Seminar in Communication Studies (3) Prerequisite: Senior standing in communication studies. Study of major theoretical concerns in the field of communication studies. Research project required. Content varies with instructor. This course may be repeated under different subtitles.

COM 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

COM 495. Advanced Seminar in Communication Studies (3) Prerequisite: COM 110. Advanced special topics in communication that are not dealt with in other courses. This course may be repeated under a different subtitle.

COM 498. Internship in Communication Studies (3 or 6) Prerequisite: Permission of Communication Studies faculty and senior status and GPA of at least 2.50. A program of work and study conducted within an agency or setting that provides practical experience with observation and applications of theoretical concepts in communication. (A maximum of 12 semester hours of internship credit may be counted toward graduation. Internship hours cannot be counted toward the communication studies degree requirements.)

COM 499. Honors Work in Communication (2-3) Prerequisite: Senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Criminal Justice Course Descriptions

(Department of Sociology and Anthropology)

CRJ 105. Introduction to Criminal Justice (3) Study of criminal law and the criminal justice system in the U.S. Emphasis on structure and function of police, courts and corrections.

CRJ 110. Issues in Criminal Justice (3) Critical issues and contemporary debates in criminal justice.

CRJ 210. Police in Society (3) Prerequisite: CRJ 105. Analysis of role and behavior of police in the U.S. Special attention to social environment and political climate effecting the police.

CRJ 220. Criminal Courts (3) Prerequisite: CRJ 105. Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants and jurors.

CRJ 230. Corrections (3) Prerequisite: CRJ 105. Study of societal patterns of punishment, alternatives to incarceration, consequences of imprisonment and correctional strategies of rehabilitation and deterrence.

CRJ 310. White Collar Crime (3) Prerequisite: CRJ 105. Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

CRJ 315. Victimology (3) Prerequisite: CRJ 105. Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

CRJ 370. Minorities, Crime and Criminal Justice Policy (3) Prerequisite: CRJ 105 plus three additional hours in criminal justice. Study of minorities in crime and criminal justice system. Special focus on the role of racism and sexism in theories of crime and in administration of justice.

CRJ 380. Criminal Law and Procedure (3) Prerequisite: CRJ 105 plus three additional hours in criminal justice. Basic concepts of statutory and procedural law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; constitutional and statutory procedures regarding arrest, search and seizure, interrogation and suspect identification. Special focus on North Carolina law.

CRJ 405. Criminal Justice Administration (3) Prerequisite: CRJ 105 plus six additional hours in criminal justice. Concentration on management techniques and supervisory roles for various administrative segments of the criminal justice system.

CRJ 410. World Criminal Justice Systems (3) Prerequisite: CRJ 105 plus six additional hours in criminal justice. Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences. Analysis includes criminal justice systems of England, France, Sweden, Japan and the Soviet Union.

CRJ 415. Research Methods in Criminal Justice (3) Prerequisite: Nine hours of criminal justice and SOC 302. Advanced research methods with application to criminal justice agencies. Special attention to problems and practical solutions in conducting evaluation research in applied settings.

CRJ 420. Collective Violence (3) Prerequisite: Nine hours in criminal justice and SOC 105. Analysis of group violence and its control. Topics include: theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and contemporary forms.

CRJ 450. Criminal Justice Theory (3) Prerequisite: CRJ 105 plus six additional hours in criminal justice. Theories of justice and crime control. Covers philosophy and principles of the U.S. system of justice.

CRJ 490. Criminal Justice Practicum (3) Prerequisite: Senior standing in criminal justice. Field placement in various criminal justice agencies. Integrates practical experience with classroom knowledge. Practicum students required to participate in ONE hour weekly seminar (CRJL 490).

CRJL 490. Criminal Justice Laboratory (1) Corequisite: CRJ 490. Classroom discussion of selected topics related to criminal justice practicum.

CRJ 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

CRJ 495. Topical Seminar (1-3) Prerequisite: Junior or senior standing and consent of instructor. Discussion of selected topics in criminal justice. May be repeated under a different subtitle.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Computer Science Course Descriptions

(Department of Mathematical Sciences)

CSC 105. Introduction to Computing and Computer Applications (3) Basic computer concepts for non-CSC majors. Elements of computing systems and organization; computer communications including the Internet; applications such as word processing; spreadsheets, data base management, and the rudiments of programming in a current programming language. Social and technical issues including legal, ethical, and security considerations.

CSC 111. Introduction to Computer Programming Using FORTRAN (3) Prerequisite: MAT 111 or 115. Algorithms and computer systems, data representation, survey of computer applications, elementary programming techniques in FORTRAN, debugging and verification of programs. Three lecture and one laboratory hour each week.

CSC 112. Introduction to Computer Programming (3) Prerequisite: MAT 111 or 115 or equivalent preparation. An introduction to programming in a high-level language for students who are not computer science majors. Algorithms, computer systems, data representation, survey of computer applications, elementary programming techniques, debugging and

verification of programs. The language to be used will be specified in the schedule of classes. Three lecture and one laboratory hour each week.

CSC 121. Introduction to Computer Science I (3) Prerequisite: MAT 111 or 115, or equivalent. Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on programming style and the design, coding, and testing of complete programs. A grade of "C" or better is required for taking any course for which CSC 121 is prerequisite. Three lecture and one laboratory hour each week.

CSC 125. Computer Language - FORTRAN (2) Prerequisite: CSC 121. Elementary and intermediate programming techniques in FORTRAN. Computer solution to numeric problems. No credit after completion of CSC 111.

CSC 126. Computer Language - PL/1 (2) Prerequisite: CSC 111 or 121. Elementary and Intermediate programming techniques in PL/1. Computer solution to numeric problems and non-numeric problems.

CSC 127. Computer Language - COBOL (2) Prerequisite: CSC 111 or 121. Elementary and intermediate programming techniques in COBOL. Computer solution to business oriented problems.

CSC 128. Interactive Personal Computing (2) Prerequisite: CSC 111 or 121. Elementary programming techniques using interactive services. The use of personal computers.

CSC 133. Discrete Structures I (3) Corequisite: CSC 111, CSC 112, or CSC 121. Introduction to discrete mathematics applicable to computer science. Set algebra and Boolean algebra, propositional calculus and predicate calculus, relations, and functions, recursion and induction, introduction to trees and graphs.

CSC 220. (ART 220) Computer Animation for the Visual Arts (3) Prerequisite: ART 101 or consent of instructor. Exploration of design elements of shape, line, texture, value, color, space, and time using computer graphics software with microcomputers. Projects in 2-D and animation.

CSC 221. Introduction to Computer Science II (4) Prerequisites: CSC 121 and 133. Continuation of CSC 121 with emphasis on character and string manipulation, arrays and pointers, elementary data structures, sorting, recursion, and the use of software tools. Completion of a software project is required. A grade of "C" or better is required for taking courses for which CSC 221 is a prerequisite.

CSC 233. Discrete Structures II (3) Prerequisite: CSC 133. Overview of linear algebra and combinatorics applicable to computer science. Matrix algebra and vector spaces: systems of equations, independence and decompositions, linear transformations, eigenvalues, Markov chains. Combinatorial reasoning: elementary probability, permutations and combinations, binomial theorem, pigeonhole principle, inclusion-exclusion, recurrence relations.

CSC 241. Introduction to Computer Systems & Assembly Languages (3) Prerequisite: CSC 121. Introduction to computer structure. Registers, machine instructions and formats; number and character representation; execution control and addressing techniques. Basic input-output programming; files; procedures, segmentation, and linkage, recursion and reentrancy; floating-point and string operations. Symbolic and machine-level debugging.

CSC 242. Digital Logic and Computer Organization (3) Prerequisite: CSC 133. Corequisite: CSC 241. Study of computer system organization. Combinational and sequential circuit analysis and synthesis; medium and large-scale integrated circuits. Register-transfer language and microprogramming; instruction fetch and execution; flow of control.

Input-output, controllers, interrupts, communications and codes. Introduction to computer networks.

CSC 305. Computer Graphics (3) Prerequisite: CSC 221, MAT 162, and CSC 233 or MAT 335. Detailed study of two-dimensional graphics and introduction to issues from three-dimensional graphics. Graphics hardware and applications. Study of graphics primitives in two dimensions: lines, attributes, windowing, clipping, transformations. Overview of other topics: three-dimensional transformations, modeling, color science, rendering.

CSC 325. (MAT 325) Numerical Algorithms (3) Prerequisite: CSC 111 or 121, MAT 162. An introduction to the numerical algorithms fundamental to scientific computer work. Includes elementary discussion of error, polynomial interpolation, quadrature, linear systems of equations, solution of nonlinear equations, and numerical solution of ordinary differential equations. The algorithmic approach and the efficient use of the computer are emphasized.

CSC 332. Data Structures (3) Prerequisite: CSC 221. Study of basic data structures and their applications. Lists and trees; graph algorithms; internal and external sort and search techniques; hashing; analysis and design of efficient algorithms; file processing techniques.

CSC 334. Programming Languages (3) Prerequisite: CSC 332. Formal definition of programming languages including specification of syntax and semantics. Simple statements including precedence, infix, and postfix notation. Global properties of algorithmic languages including scope of declarations, storage allocation, grouping of statements, binding time of constituents, subroutines, coroutines, and tasks. List processing, string manipulation, data description, and simulation languages. Run-time representation of program and data structures.

CSC 337. Parallel Computing (3) Prerequisite: CSC 242 and 332. Hardware and software issues in parallel computing. Parallel architectures, network topologies, models of parallel computation, languages for parallel programming, and parallel algorithms. Parallel program design and debugging using the language Occam. Issues of non-determinism, synchronization and deadlock. Survey of parallel applications.

CSC 342. Operating Systems (3) Prerequisite: CSC 221. Study of supervisory programs. System services and file systems; CPU scheduling; memory management; virtual memory; disk scheduling. Deadlock characterization, prevention, and avoidance; concurrent processes; semaphores; critical sections; synchronization. Distributed systems and communication protocols.

CSC 344. Computer Networks (3) Prerequisite: CSC 342. The theory and application of intercomputer communication. Local- and wide-area networks; data transmission and error correction; OSI and TCP/IP layering protocols; ethernet, token ring, token bus, and other network technologies; network topologies; the client-server model; bridges and multi-protocol routers; the Internet. Applications include electronic funds transfer and distributed databases.

CSC 350. Computer Components and Circuits (3) Prerequisite: MAT 162 and PHY 202. Introduction to the basic elements of electricity, electronics, and semi-conductor device theory as applied to computer components. Voltage, current, Ohms's law; capacitance, inductance, reactance, impedance, and analysis of AC circuits; transmission lines; transistors, flip-flops, and small-scale integrated circuits; medium and large-scale integrated circuits and the microprocessor.

CSC 360. Formal Languages and Computability I (3) Prerequisite : CSC 233. An introduction to theoretical computer science. Topics include regular expression and finite state concepts; basic automata theory; formal grammars and languages; computability; Turing machines; elementary recursive function theory.

CSC 365. Switching Theory (3) Prerequisite: CSC 133. Switching algebra, gate network analysis and synthesis, Boolean algebra, combinational circuit minimization, sequential circuit analysis and synthesis, sequential circuit state minimization, hazards and races, and elementary number systems and codes.

CSC 385. Professional and Ethical Issues in Computer Science (1) Prerequisite: Junior or senior standing in computer science or permission of instructor. Student presentations and discussions of case studies relating to computer ethics. (Participation in the computer science seminar series required).

CSC 410. Compiler Construction (3) Prerequisite: CSC 332 and 360. Review of program language structures, translation, loading, execution, and storage allocation. Compilation of simple expressions and statements. Organization of a compiler including compile-time and run-time symbol tables, lexical scan, syntax scan, object code generation, error diagnostics, object code optimization techniques, and overall design. Use of compiler writing languages and bootstrapping.

CSC 422. Performance Evaluation of Computer Systems (3) Prerequisite: STT 215, MAT 162, and CSC 342. Modeling and evaluation of computer systems. Probability spaces and probability calculus, random variables and their distribution functions, the calculus of expectations. Markov chains; birth-death processes; Poisson processes; single queue; network of queues and their simulation. System simulation for performance prediction. Modeling concurrent processes and the resources they share.

CSC 425. (525; Mathematics 425/525) Numerical Analysis (3) Prerequisite: MAT 325, 335 and 361. Introduction to the theoretical foundations of numerical algorithms. Solution of linear systems by direct methods, least squares, minimax, and spline approximations; polynomial interpolation; numerical integration and differentiation; solution of non-linear equations; initial value problems in ordinary differential equations. Error analysis. Certain algorithms are selected for programming.

CSC 432. (532) Advanced Data Structures (3) Prerequisite: CSC 233 and 332. Advanced topics in data structures, with emphasis on algorithmic complexity. Recursive list manipulations; paradigms of search; biconnectivity, strong connectivity, and precedence relations in graphs; pattern matching; search trees; memory management and secondary storage; optimal techniques for sorting, merging, and selection.

CSC 434. Programming Languages (3) Prerequisite: CSC 332. Comparative study of programming languages from both theoretical and applied viewpoints. Typical issues include syntax and semantics, scope and binding times, storage allocation, parameter-passing techniques, control structures, run-time representation of programs and data. Detailed examples from the imperative, functional, parallel, object-oriented, and logical programming paradigms.

CSC 442. Computer System Architecture (3) Prerequisite: CSC 242. Advanced study of the architecture of computer systems. Common processor organizations, hardwired and microprogrammed control, input/output subsystem; bus control; programmed I/O; DMA and interrupts; memory subsystem; interleaved, cache and associative memory; cache design; instruction pipelines, arithmetic pipelines, and their scheduling, RISC and CISC architectures, common multiprocessor architectures.

CSC 450. Software Engineering (3) Prerequisite: CSC 332. Study of the design and production of large and small software systems. Topics include systems engineering, software life-cycle and characterization; use of software tools.

CSC 453. Object-Oriented Analysis and Design (3) Prerequisite: CSC 332. An exploration of object-oriented design and software construction. Topics in object-oriented analysis and programming: classes, methods, messages, inheritance, static and dynamic binding, polymorphism, templates, design methodologies, class libraries, and software reuse. Substantial object-oriented software project required.

CSC 455. Data Base Management Systems (3) Prerequisite: CSC 332. Introduction to data base concepts, data independence, logical and physical views of data base systems. Data models: hierarchial, network, and relational. Data description languages, query functions, relational algebra.

CSC 460. Formal Languages and Computability II (3) Prerequisite: CSC 360. Advanced topics in theoretical computer science. Theory of computation; languages and syntactic analysis; computational complexity and NP -completeness.

CSC 475. Topics in Computer Science (3) Prerequisite: Senior standing and permission of instructor. Topics of current interest in computer science not covered in existing courses. May be repeated under a different subtitle.

CSC 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

CSC 495. Seminar in Computer Science (1) Prerequisite: Junior or senior standing and consent of instructor.

CSC 499. Honors Work in Computer Science (2-3) Prerequisite: Eligibility for honors program. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Economics Course Descriptions

(Department of Economics and Finance)

ECN 125. Survey of Economics (3) An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222.)

ECN 221. Principles of Economics—Micro (3) Prerequisite: MAT 111. Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

ECN 222. Principles of Economics—Macro (3) Prerequisite: ECN 221. Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

ECN 320. Managerial Economics (3) Prerequisite: PDS 314. The theory and application of economics principles and methodology to the decision making process under conditions of uncertainty. Includes the following topics: demand theory and analysis; cost and production conditions facing the firm; forecasting; resource allocation and management of inputs; pricing, profit strategies, and market structure; and finance and investment decision making for the firm.

ECN 321. Intermediate Price Theory (3) Prerequisite: MAT 151 and ECN 222. A theoretical analysis of individual consumer and firm behavior and general equilibrium.

ECN 322. National Income Analysis (3) Prerequisite: ECN 321. A theoretical analysis of the determination of aggregate income, aggregate employment, and the average price level and role of monetary and fiscal policy in the determination of such.

ECN 323. Business, Government and Society (3) Prerequisite: ECN 222. A broad study of the role of business enterprises in society and their relationships with government. Examines influence on decision making of changing social values, changing political, legal, and regulatory environments.

ECN 324. Money and Capital Markets (3) Prerequisite: ECN 222. An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

ECN 325. (EVS 325) Environmental Economics (3) Prerequisite: ECN 125 or 221. Application of economics concepts to environmental problems; common property resources, public goods, and technological externalities as determinants of market failure; institutional alternatives involving economic incentives.

ECN 326. Comparative Economic Systems (3) Prerequisite: ECN 125 or 222. Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

ECN 328. Public Finance (3) Prerequisite: ECN 222. Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

ECN 329. Industrial Organization (3) Prerequisite: ECN 222. A theoretical and empirical study of how the structure of industry affects the conduct and performance of the firm; covers government regulation, control and influence in business activity with respect to structure, conduct and performance.

ECN 421. History of Economic Thought (3) Prerequisite: ECN 222. Scientific economic thought and philosophy from ancient to modern times. Open-ended as to dates of time period covered. Primary emphasis is on topics as opposed to schools of thought.

ECN 422. Econometrics (3) Prerequisite: PDS 217 and ECN 321. An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

ECN 426. International Trade and Finance (3) Prerequisite: ECN 222. A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

ECN 427. Labor Economics (3) Prerequisite: ECN 222. An analysis of the demand for and the supply of labor at the individual and the aggregate level; labor unions and collective bargaining.

ECN 428. Regional Growth and Development (3) Prerequisite: ECN 222. Theories of subnational or regional economic growth. Measures of regional economic policies to alleviate problems resulting from disparate rates of regional economic growth.

ECN 433. (FIN 433) Introduction to Speculative Markets (3) Prerequisite: ECN 324 and FIN 335 or permission of instructor. Elementary economics of financial futures and options markets. Mechanics of trading and coverage of existing regulations. Pricing and strategies in options and futures contracts in the markets for financial assets and commodities. Hedging, risk management and valuation.

ECN 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

ECN 495. Senior Seminar in Economics (3) Prerequisite: ECN 322 and consent of instructor. An examination of current problems in economics organized on a discussion-research basis. The content of the course will vary as changing conditions and economic priorities require the use of new approaches to deal with current issues.

ECN 498. Internship in Economics (1-6) Prerequisite: Senior status and consent of department chairperson. Involves the application of economics concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

ECN 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Education Course Descriptions

(Department of Curricular Studies, Department of Specialty Studies)

EDN 105-106. Seminar in Education (1-1) Prerequisite: Permission of instructor. Required of all North Carolina Teaching Fellows during freshman year. Open to others if space is available. An examination of issues and forces related to public education and the profession of teaching in the United States. Topics include political, social, and instructional issues. Emphasis also upon the development of skills essential to academic success. Activities include lectures, discussions, field activities, and reading of selected educational literature. One hour each week.

EDN 200. Teacher, School and Society (3) Corequisite: EDNL 200. Introduction to profession of teaching that acquaints prospective teachers with diverse roles of teachers. Focuses on teacher as decision-maker; careers in education; social, historical and philosophical foundations of education; governmental and organizational aspects of schools; and current and future trends in American education. Observation skills are developed through field experience.

EDNL 200. Field Studies (1) Corequisite: EDN 200. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships. Students will participate in three hours of field study and reflective seminar activities per week.

EDN 203. Psychological Foundations of Teaching (3) A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

EDN 205-206. Seminar in Education (1-1) Prerequisite: Permission of instructor. Required of all North Carolina Teaching Fellows during sophomore year. Open to others if space is available. An examination of the diverse roles of the professional employed within the organization of public schools in the State of North Carolina, including demands and expectations of teaching at various grade levels K-12. Topics include a review of the academic, social, personal, and interpersonal skills required of successful professionals. Current issues and future trends in the field are examined. Activities include required field experiences, lectures, discussions, and reading of selected educational literature.

EDN 211. Principles of Leadership (3) This course will provide an introduction to leadership. Students will develop an understanding of the leadership theories, styles of leadership, and strategies for successful leadership. They will learn skills to enhance their leadership effectiveness in a variety of settings and will develop insights about themselves and others.

EDN 260. Introduction to Exceptional Children (3) Survey of major categories of exceptionabilities including giftedness, mental retardation, hearing impairments, visual impairments, learning disabilities, communication disorders, behavioral/emotional handicaps, and physical handicaps. Includes study of definitions, characteristics, etiology, psycho-social implications, and educational interventions for each exceptionality. Field-based activities required.

NOTE: Admission to the Watson School of Education is required for enrollment in EDN 300- and EDN 400-level courses.

EDN 301. Instructional Design and Evaluation (3) Prerequisites or corequisites: EDN 200, EDN 203, and admission to the Watson School of Education. Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive, and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

EDN 303. Instructional Technology (3) Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications. Three lecture and two laboratory hours each week.

EDN 305. Exemplary Teacher Project I (1) Prerequisite: Formal enrollment in the Teaching Fellows Program. Students will examine best practices of teaching through examination of research and direct classroom observation. Exemplary teachers will meet with students in critical-reflective seminars to discuss concerns associated with classroom teaching, curriculum, pedagogy, multiple learning styles, school organizational structure, school-community relationships, etc. Students will develop research questions and study design; conduct data collection, reduction, and analysis; and produce both independent and whole class reports of findings.

EDN 306. Exemplary Teacher Project II (1) Prerequisites: EDN 305; Formal enrollment in the Teaching Fellows Program. Students will examine best practices of teaching through examination of research and direct classroom observation. Exemplary teachers will meet with students in critical-reflective seminars to discuss concerns associated with classroom teaching, curriculum, pedagogy, multiple learning styles, school organizational structure, school-community relationships, etc. Students will develop research questions and study design; conduct data collection, reduction, and analysis; and produce both independent and whole class reports of findings.

EDN 310. School-Community Relations (3) Methods of improving school-community relations.

EDN 318. Middle School Programs and Practices (3) Overview of the conceptual and historic development of programs for students in grades six through nine. Comparison of varied curricular, instructional, and organizational aspects of the middle school movement. Major emphasis on exploring the educational implications of the developmental characteristics of early adolescent learners. Varied approaches to teaming, classroom management and mainstreaming will be investigated. Work will include observations in a variety of settings.

EDN 319. Meeting Needs of Special Students in Elementary Schools (3) This course will focus on strategies for meeting needs of individuals in elementary school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of children with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

EDN 320. Meeting Needs of Special Students in Middle Schools (3) This course will focus on strategies for meeting special needs of individuals in middle level classrooms. Students will study alternative methods for dealing with student differences which have an impact on academic and social behaviors. Characteristics of adolescents with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

EDN 321. Meeting Needs of Special Students in High Schools (3) This course will focus on strategies for meeting needs of individuals in high school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of students with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

EDN 322. The Teaching of Mathematics (K-6) (3) Prerequisites: EDN 301 and six semester hours of appropriate mathematics. Focus on the curriculum, materials, and methods appropriate for the teaching of mathematics for the kindergarten through sixth grade level. A field-based activity is required.

EDN 323. Teaching Mathematics in the Middle Grades (6-9) (3) Prerequisites: EDN 301 and six hours of mathematics. Focus on the curriculum, materials and methods appropriate for the teaching of mathematics at middle grade levels. A field-based activity is required.

EDN 324. Diagnostic Teaching of Mathematics (6-9) (3) Prerequisite: EDN 323. Understanding of psychological and environmental factors that affect learning of school mathematics. Focus on methods and materials appropriate to diagnosis and remediation of mathematics difficulties common at the six through nine level. Awareness of strategies effective for enhancing self-confidence in mathematics learning. A field-based activity is required.

EDN 334. Social Studies Curriculum and Instruction (K-6) (3) Prerequisites: EDN 301 and six hours of social studies content. An overview of the goals of social studies education and how this affects various patterns of organizing curricular content. The implications of learner developmental characteristics for selecting approaches to instruction from history as well as the social and behavioral sciences will be explored. Emphasis on selection and preparation of appropriate materials including the strategies of inquiry, critical thinking, mapping and graphing, simulation, and problem solution. A field-based activity is required.

EDN 335. Social Studies Education in the Middle Grades (3) Prerequisite: EDN 301 and six hours of social studies content. Examines the specific ways in which social studies cur-

riculum can be organized to meet the learning needs of middle grades students. Emphasis on selection and preparation of appropriate materials, identification of instructional procedures, data-based decision making and the relevance of social inquiry to the real world. Work will include a field experience and preparation of an in-depth unit of study suitable for use at this level.

EDN 336. The Teaching of Science and Health (K-6) (3) Prerequisites: EDN 301 and two science courses. Methods of teaching the biological, earth and physical sciences and health. Applications of the sciences to classroom experimentation and investigation. Examination of contemporary curricula used at the elementary school level. Field experiences required.

EDN 337. Inquiry—The Method of Science (3) Prerequisite: A course in science methods or the completion of 15 hours toward a concentration or major in science or permission of instructor. Assumes initial level competency in curriculum and methods of science. Focuses on conceptualization of and rationale for using inquiry method of teaching science. Provides opportunities to acquire and practice skills needed to utilize method and to guide scientific investigation at K-12 levels.

EDN 338. The Teaching of Science (6-9) (3) Prerequisite: Completion of natural science basic studies and EDN 301. Survey of curriculum and methods for teaching science in grades 6-9. Focus on processes of scientific inquiry, on topics that integrate learnings across science disciplines, and on the social implications of science and technology. Field experience required.

EDN 339. Apprentice Field Experience (1) Corequisites: Designated sections of EDN 334, 336, 344, and 348. Designed to provide supervised extended experiences in public school classrooms beyond those required as a part of any one methods course. Focus on reflections concerning observations and use of pedagogy with elementary age students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite courses required.

EDN 340. Reading Foundations (K-6) (3) Prerequisite: EDN 301. Emphasis on linguistics and psychological bases of the reading process, stages in the development of reading ability, and sequences of skill acquisition. Students will study models of reading instruction for language and literacy learning, the role of the classroom teacher of reading, and forces influencing that role. Extensive field experiences required.

EDN 344. Literature in the Elementary School (K-6) (3) Prerequisite: EDN 340. The selection and evaluation of literature for elementary school children, including books and other media. Includes exploration of multi-cultural themes and traditions through literature, and strategies for integrating literature, music, and movement into the elementary curriculum.

EDN 348. The Teaching of Communication Arts (K-6) (3) Prerequisite: EDN 301 and 340. Study of various approaches to school language instruction. Examination of strategies and methods for promoting growth in language learning in elementary classrooms with emphasis on use of drama and theater activities to enhance learning. Includes extensive opportunities to assess, teach, and evaluate all areas of children's language and reading development in public school classrooms. Field experience required.

EDN 352. Developing Reading Competence in the Middle Grades (6-9) (3) Prerequisite: Admission to the Watson School of Education. Develops understanding of reading processes in the broad context of communication. Presents strategies for fostering and evaluating interest, fluency, and skill in reading, both in developmental reading classes and in content subjects. Topics include organizational and instructional strategies for the development of reading ability, techniques for motivating and guiding readers, and strategies for study and

comprehension which support learning in all areas of the curriculum. Field experience required.

EDN 355. Language Arts Methods for the Middle Grades (6-9) (3) Prerequisites: EDN 301 and 352. Presents curriculum and methods for developing linguistic and communicative competence in language arts classes in the middle school. Develops understanding of communication processes (listening, speaking, writing, viewing, etc.), dialects, and language systems as influences in teacher decision-making. Focus on strategies and plans for facilitating and evaluating student oral and written language performance. Field experience required.

EDN 356. Reading in the Secondary School (3) Prerequisite: EDN 301. Required course in the teaching of reading for secondary majors. Basic instructional reading strategies are developed, with emphasis on introducing assignments, improving study skills, and fostering critical thinking. Students identify and learn to teach reading skills specific to varying content areas. Adjusting instruction to students' reading capabilities is stressed.

EDN 364. Mental Retardation in School and Society (3) Examination of the field of mental retardation from an developmental perspective. Study of etiology, definitions, characteristics, and historical and current approaches to treatment of persons with mental retardation in a variety of settings and across the life span. Includes study of all levels of mental retardation. Field experiences required.

EDN 366. Learning Disabled Children and Adolescents (3) Examination of the field of learning disabilities. Emphasis on the concept of learning disabilities, etiology, diagnosis, characteristics, teaching strategies, theory, historical influences, and current trends. Field-based activities required.

EDN 367. Behavior Management Techniques (3) Prerequisite: EDN 301 or consent of instructor. Designed to develop an understanding of the principles of behavior and their application in planning and implementing various behavior management strategies. Focus will be on observation and measurement of social behavior management techniques. Field experiences required.

EDN 368. Diagnostic Techniques in Special Education (3) Prerequisites: EDN 301 and one of the following: EDN 260, 364, 366 or 370. Examination of concepts and fundamentals of educational assessment. Includes examination of formal and informal techniques appropriate for exceptional students. Includes assessment of intellectual functioning, academic problems, spoken language, learning skills, social-emotional development, early childhood skills, and vocational skills. Field experiences required.

EDN 369. Prescription Development in Special Education (3) Prerequisites: EDN 301 and one of the following: EDN 260, 364, 366 or 370. Development of skill in planning educational programs for exceptional children. Includes writing instructional objectives, selecting appropriate materials and techniques, writing lesson plans, and formulating individualized educational programs. Field experiences required.

EDN 370. Behaviorally Disordered Children and Youth (3) Prerequisites: EDN 301 or consent of the instructor. Designed to examine the wide and complex variety of learners labeled as "behaviorally disordered" or "emotionally disturbed." Topics related to historical, theoretical, etiological, developmental, and symptomological issues plus diagnosis, identification and service delivery models will be introduced. Program and parent involvement models and current trends and issues will be reviewed. Field experiences required.

EDN 371. Programming and Interventions for Behaviorally Disordered Students (3) Prerequisites: EDN 367 and 370. Examination of problems, issues and practices in devel-

oping programs for and educating students with behavior disorders. Emphasis on academic and social needs, major interventions, family involvement, scheduling issues, applied behavior analysis, and systematic/directive teaching of new behaviors. Legal considerations, consultation strategies, and curriculum issues will be reviewed. Field experiences required.

EDN 372. Programming and Interventions for Learning Disabled Students (3) Prerequisite: EDN 366. Study of the educational implications of LD student characteristics. Emphasis will be on needs of LD individuals relevant for instruction; developmental, cognitive, medical, behavioral, and cognitive developmental approaches; programming and interventions for grades K-12; remediation and compensation strategies. Field-based activities required.

EDN 373. Programming and Interventions for Mentally Handicapped Students (3) Study of intervention strategies for persons with mental retardation. Emphasis will be on programming for persons with mental retardation in community settings including day treatment programs as well as school settings. Field experiences required.

EDN 374. Special Education Curriculum and Instruction (3) To be taken the semester prior to EDN 410 and EDN 411. Study of the curriculum areas and instructional techniques utilized in educational settings for learning disabled, mentally retarded, and behaviorally/emotionally handicapped students. Emphasis on curriculum development processes, design and lesson and unit plans, selections of materials, identification of instructional procedures, and data-based decision making. Field experiences required.

EDN 380. Child Observation and Assessment (3) Prerequisite: Admission to Watson School of Education. Designed to develop a broad set of child and family observation skills and ability to conduct and interpret variety of means of child assessment, both formal and informal. Methods of assessment will include systematic observations, use of screening instruments, interview techniques, rating scales, portfolios and anecdotal records. Includes knowledge of assessment with culturally diverse populations and children with special needs. Field experiences required.

EDN 382. Literacy Development in the Early Years (2) Prerequisite: Admission to Watson School of Education. Designed to inform students of the theory and research that has influenced the development of principles and strategies for promoting emergent literacy. Developmentally appropriate literacy activities will be explored along with ways to use individualized assessment to gauge children's current abilities and to use and build upon what children bring to oral language, reading, and writing. The roles of supportive adults, print-rich environments and principles of multicultural learning will be investigated. Field experiences required.

EDN 383. Conceptual Understandings of the Physical World (2) Prerequisite: Admission to Watson School of Education. Designed to acquaint B-K teachers with the curriculum, materials and methods used to teach basic concepts in mathematics and science to young children. Emphasis will be given to developmentally appropriate materials and experiences to promote power of observation and to encourage emergent conceptual abilities and cognitive processing skills. Field experiences required.

EDN 385. A,B,C Field Experiences (1) 3 Required The field experiences requires the student to participate in activities in a different setting each of three semesters. The field experiences will be taken concurrently with specified coursework and activities will vary accordingly.

EDN 401. School Improvement and Teacher Leadership (1) Prerequisite: Formal admission to the Teaching Fellows Program. Goals of the course are for students to examine: the con-

text of classroom teaching; the range of non-instructional demands on teachers' time and energy; the range of school improvement initiatives and the strategies and barriers to improvement; and strategies of teacher leadership. These purposes are attained through scholarly examination of extant school improvement initiatives and focused discussions with school-level teachers and administrators.

EDN 403. Theory and Practice in Teaching Secondary English (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 404. Theory and Practice in Teaching Secondary Mathematics (9-12)(3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 405. Theory and Practice in Teaching Secondary Social Studies (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 406. Theory and Practice in Teaching Secondary Science (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 407. Theory and Practice in Teaching Foreign Languages (K-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 408. Instructional Seminar (3) Corequisite: EDN 409 except for physical education and music education majors. Prerequisites: All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.50 GPA on all work attempted at UNCW. Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to professional documentation of reflective growth. Course activities include field experience assignments, microteaching, and production of individual lesson plans and unit lesson plans.

EDN 409. Practicum (12) Corequisite: EDN 408 except for physical education and music education majors. Prerequisites: As specified for EDN 408. Students will be assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical education (and health), physics, social studies, and Spanish.

EDN 410. Seminar in Education (K-6, 6-9, special education) (3) Corequisite: EDN 411. Prerequisites: All courses in the professional core and specialty areas appropriate for the

concentration for K-6, 6-9, and special education majors and a 2.50 GPA on all work attempted at UNCW. Designed as a culmination of professional study and an initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.

EDN 411. Practicum (K-6, 6-9, special education) (12) Corequisite: EDN 410. Prerequisites: As specified for EDN 410. A full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of classroom instruction. Practica are offered in the areas of elementary education (K-6), middle grades education (6-9), and special education.

EDN 412. Extended Practicum (3-6) Prerequisite: Appropriate curriculum and instruction courses and permission of the chairperson of the Department of Curricular Studies. A part-time practicum experience within the appropriate area of certification. Students will engage in supervised instructional activities that extend their understandings and teaching performance to an additional area of preparation. Areas of specialization include elementary, middle grades, special education, and secondary education.

EDN 415. Education Media Design and Production (3) This course will provide students with an understanding of the design principles underlying the production of instructional materials and with the necessary production techniques. Emphasis will be placed upon the production of materials and their effective integration into an instructional unit. Students will design, produce, and evaluate a number of projects using techniques common to media programs in public schools and the authors who have made contributions to this field.

EDN 416. Instructional Applications of Computers (3) Prerequisites: EDN 301 and 303 or permission of instructor. Designed to develop skills in using computers as tools in instruction and to make judgments about instructional materials designed for use on computers. Topics include: (1) introduction to computing systems, (b) introduction to microcomputer programming languages, (c) authoring languages, (d) judging instructional "software", (e) using computers to manage classroom records, (f) using computers in instruction, and (g) teleprocessing and automated data bases. Activities will include group lectures, demonstrations, and discussions, projects in software designed for classroom management and instruction. The major focus is on microcomputer application.

EDN 430. Preschool Curriculum (3) Prerequisite: EDN 301. Provides students the understandings, skills, and abilities necessary to implement an effective preschool program. Emphasis placed on knowledge of the curriculum content and the effective combinations and correlations of these contents for a preschool program. Activities include lectures, discussions, demonstration, individual, and group projects.

EDN 431. Teaching in the Primary Grades (3) Designed to develop a broad overall view of teaching in the primary grades. The course includes examination of the history, current "state of the art" and possible future of primary education. Focus is on the application of knowledge of child development and learning theories in organizing and implementing the primary school curriculum in an integrated and interdisciplinary fashion. Study of classroom organization and management for effective teaching in the primary grades will be undertaken.

EDN 432. Interdisciplinary Curriculum and Instruction (3) Examines principles of interdisciplinary curriculum and instruction and explores its appropriateness for middle grades and intermediate students. Alternative approaches to designing interdisciplinary curriculum and instruction such as thematic units and exploratory and interest-based study will be examined. Emphasizes the possible linkages among the disciplines, focusing on thinking and

communication skills, concepts and problem solving learning, as well as values clarification/resolution.

EDN 446. Black Literature and Resources for Teachers (3) A survey of Black literature, including the examination of materials published for classroom use in the public schools and the authors who have made contributions to the field. Three hours each week.

EDN 450. Infant and Toddler Program Models (3) Prerequisite: Admission to Watson School of Education. Designed to inform students of the goals, philosophies and program characteristics of exemplary programs in very early childhood education (birth to age three). Developmentally appropriate settings and activities for infants and toddlers will be studied, and ways of working with parents will be explored. Optimal caregiving strategies and skills needed for providing a quality program for infants and toddlers will be emphasized. Field experiences required.

EDN 451. Adaptive Practices in Early Childhood (3) Prerequisite: Admission to Watson School of Education. Designed to develop both planning and intervention skills for working with young children with special needs and their families. Students will plan educational programs which include use of specific intervention techniques and practices from recognized early intervention programs for children showing a typical development. Attention will be given to adopting strategies to include exceptional children in programs for typically developing young children. Field experiences required.

EDN 460. History and Administration of Preschool Education (3) Prerequisites: Admission to Watson School of Education, and completion of all specialty area coursework. A 2.50 GPA on all work at UNCW is required. Corequisite: EDN 465. Course will present history of education for young children from cross-cultural, national and state perspectives. The current and anticipated future political, social and economic contexts for early childhood education (B-K) in the United States will be examined, along with public policy questions and implications of various policy decisions. The administration of early childhood education programs will be studied, including planning, scheduling, enrollment, licensure, and evaluation of programs operating in various settings. Relevant federal and state legislation, policies, and regulations will be examined. Possibilities for integrating child and parent education will also be explored.

EDN 465. Practicum in Education of Young Children (B-K) (12) Prerequisites: Admission to Watson School of Education and completion of all specialty courses. Corequisite: EDN 460. A full-time practicum experience with young children and their families in an approved child care setting. Students will engage in a variety of supervised activities assuming an increasing amount of responsibility for all phases of an educational program for young children and their families. Emphasis is on the teacher intern as a decision maker and reflective practitioner.

EDN 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairman.

EDN 495. Selected Topics in Education (1-3) Prerequisite: Junior or senior standing. Selected topics in education of varying duration and credit. May be repeated for a maximum of 6 semester hours.

EDN 499. Honors Work in Education (2-3) Prerequisite: Senior standing. Independent study for honors students.

English Course Descriptions

(Department of English)

Students either must complete a sequence of ENG 101-102 or must complete ENG 103. Placement in those courses is determined by English placement test or by scores on the Advanced Placement test or the CLEP test.

ENG 100. Foundations of Composition (0) Intensive writing practice and instruction for students needing preparation in the basics of composition. Three hours each week. (No credit granted toward graduation. Hours are counted in computing student loads, but not in computing quality point ratios.) This course is offered on campus through Cape Fear Community College (CFCC). Consequently, all students taking this course are required to pay tuition, fees, and charges as established by CFCC in addition to charges established by UNCW. UNCW collects these additional charges from the student and remits the amounts collected to CFCC.

ENG 101. College Writing and Reading I (3) Prerequisite: Evidence of competence on the English placement test or a grade of "C" (2.00) or better in ENG 100. An introduction to college-level writing and reading. Extensive practice in analyzing and responding to text and in techniques of invention, development, organization, editing, and revision, with emphasis on narrative and expository forms appropriate to academic writing.

ENG 102. College Writing and Reading II (3) Prerequisite: ENG 101. College-level writing and reading, including continued practice in the composing process, with emphasis on argumentation and research. Frequent projects in gathering, analyzing, synthesizing, and documenting information from sources.

ENG 103. College Writing and Reading III (3) Prerequisite: Special competence demonstrated in the English placement test, Advanced Placement test, or CLEP test. College-level writing and reading for advanced students. Extensive practice in composing processes and in gathering, analyzing, synthesizing, and documenting information from sources.

ENG 105. English as a Second Language (3) Prerequisite: Consent of instructor (based on language proficiency test score). Development of English language proficiency of non-native speakers attending the university. Extensive exposure to reading, writing, speaking, and listening activities.

ENG 110. Introduction to Literature (3) An introductory course in reading and responding to literature in a variety of genres, such as poetry, fiction, drama, and literary non-fiction. Individual sections may be organized around genres, a series of themes, or a particular theme, as indicated by subtitles published in each course schedule. May not be repeated under different subtitles.

ENG 201. Intermediate College Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Instruction in composing strategies to strengthen organizational, syntactical, and editing skills. Written projects relate to the academic interests of each student.

ENG 202. Introduction to Journalism (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.

ENG 206. Foundations of Creative Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Instruction in creative writing aimed at developing the creative process and ways to teach that process. Includes writing exercises in poetry and fiction. Intended for majors electing the Professional and Creative Writing and Teacher Licensure options.

ENG 207. Fiction Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Instruction in writing fiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the fiction of relevant professional authors.

ENG 208. Poetry Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Instruction in writing poetry, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the poetry of relevant professional poets.

ENG 209. (CLA 209) Classical Literature in Translation: Topics (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.

ENG 210. (CLA 210) Mythology (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. The major mythological systems of Western society - Greek, Roman, and Norse. Mythology of other parts of the world, especially the Ancient Middle East, and related material are also considered.

ENG 211, 212. British Literature to 1800, British Literature since 1800 (3,3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. 211: A survey of major British authors from the Anglo-Saxon period through the eighteenth century; 212: A survey of major British authors of the nineteenth and twentieth centuries. Both courses examine representative selections from an analytical and historical perspective.

ENG 219. General Fiction (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. Extensive readings and discussions of fiction with an emphasis on both content and style.

ENG 223, 224. American Literature to 1870, American Literature since 1870 (3,3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. 223: The literature of colonial and early America and of the Romantic era. 224: The literature of American Realism and the twentieth century.

ENG 225, 226. World Literature to 1600, World Literature since 1600 (3,3) Prerequisite or corequisite : ENG 102 or ENG 103, or consent of instructor. Representative works of world literature (excluding British and American authors), including both Western and non-Western works. 225: Work from ancient times to about 1600; 226: 1600 to the present.

ENG 230. Women in Literature (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. Twentieth-century literature by and about women. Focuses on changes in images and roles of women. Includes fiction, poetry, and essays.

ENG 232. African American Literature (3) Prerequisite or corequisite: ENG 102 or ENG 103 or consent of instructor. Survey of the African American literary tradition, from the eighteenth century to the present and including such writers as Douglass, Chesnutt, Hurston, Baldwin, Walker, and Morrison.

ENG 233. The Bible as Literature (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. Study of types of Biblical literature, including narratives from the Old and New Testaments, sermons, parables, and poetry. Attention is given to the Bible as literature in itself and as a source of symbols and allusions in Western culture.

ENG 250. Introduction to Folklore (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. A definition and survey of the most common forms of folklore, including folk speech, narratives, music, art, customs, and beliefs, with an emphasis on the

relevance of these materials to the study of literature, history, education, art, the social sciences, and other disciplines.

ENG 290. Themes in Literature (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. An interdisciplinary study of a significant theme, such as war and peace, justice, love, youth and age, focusing primarily on literary works but also drawing on sources from other fields, including art, music, and history. May be repeated once under a different subtitle.

ENG 300. Introduction to Technical Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Types of professional writing, such as resumés, proposals, instructions, and feasibility studies. Emphasis on collaboration and oral presentations. Attention paid to style, form, and organization. Adaptable to student's major field of study.

ENG 301. Advanced Technical Writing (3) Prerequisite: ENG 300, or consent of instructor. Theory and application of technical writing, with emphasis on document design and usability, proposals, professional papers, research methodology, and oral presentation of technical reports. Adaptable to student's major field of study.

ENG 302. Journalism Workshop (3) Prerequisite: ENG 202, or consent of instructor. Continuation of ENG 202. Focus is on gathering news from various community and campus sources and writing in news style under deadline pressure. Also included: some attention to feature and editorial writing.

ENG 304. Writing for Teachers (3) Prerequisite: ENG 102 or ENG 103 and junior standing. Instruction in writing for teachers of all school subjects (K-12). Forms of exposition and persuasion appropriate to teachers; consideration given to learning and composition theory, the composing process, theories of rhetoric, evaluation, writing development. This course is designed for prospective teachers.

ENG 306. Essay Writing (3) Prerequisite: ENG 102 or ENG 103. Instruction in all major essay modes: narration, description, exposition, critical analysis, and persuasion. Emphasis on mastering prewriting, writing, and revision strategies; attention to developing individual style. Appropriate for students in all majors.

ENG 307. Advanced Fiction Writing (3) Prerequisite: ENG 207, or consent of instructor. Advanced techniques of writing fiction and development of the creative process. Including: writing exercises, editing, and workshop discussion, and preparation of final manuscripts for publication. May be repeated once for credit.

ENG 308. Advanced Poetry Writing (3) Prerequisite: ENG 208, or consent of instructor. Advanced techniques of writing poetry, and development of the creative process. Including: writing exercises, editing, and workshop discussion, and preparation of final manuscripts for publication. May be repeated once for credit.

ENG 310. Theory and Practice of Editing (3) Prerequisite: ENG 102 or ENG 103. An advanced writing course, focusing on revising, editing, and copy editing. Techniques and strategies for getting prose ready for publication will be explored. Extensive practice in editing professional and student samples.

ENG 311. Professional Magazine Writing (3) Prerequisite: Three hours in writing courses beyond ENG 102 or ENG 103, or consent of instructor. Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

ENG 315. Special Topics in Writing (3) Prerequisite: Three hours in writing courses beyond ENG 102 or ENG 103, or consent of instructor. A focused study of a particular subject in composition/rhetoric. Topics may vary from semester to semester and may include classi-

cal or medieval rhetoric; the study of style; the writing of grants; the rhetoric of visualization, art, music, or photography; the analysis of propaganda and advertisements; or theories of writing. Content varies from semester to semester. May be repeated once under a different subtitle.

ENG 316. (THR 316) Playwriting I (3) Prerequisite: Three hours in writing courses beyond ENG 102 or ENG 103, or consent of instructor. Analysis of one-act plays and their construction; the writing of an original one-act play required.

ENG 318. Scriptwriting for Television and Film (3) Prerequisite: Three hours in writing courses beyond ENG 102 or ENG 103, or consent of instructor. Theory and practice of writing screenplays and documentary scripts for television and film. Includes writing original scripts.

ENG 320. Introduction to Linguistics (3) Prerequisite: ENG 102 or ENG 103 and junior standing, or consent of instructor. Important topics in the study of language, including phonological, syntactic, and semantic systems; language change; language acquisition by children; theories of language origin; and animal "language."

ENG 321. Structure of the English Language (3) Prerequisite: ENG 102 or ENG 103 and junior standing, or consent of instructor. Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

ENG 322. General Semantics (3) Prerequisite: ENG 102 or ENG 103 and junior standing, or consent of instructor. The study of language as it affects our thinking and behavior; language and prejudice; the language of advertising, propaganda, science, and poetry; slanting, euphemisms, jargon, connotations, and abstraction.

ENG 323. History of the English Language (3) Prerequisite: ENG 102 or ENG 103 and junior standing, or consent of instructor. The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American dialects.

ENG 332. Shakespeare's Early Plays and Poems (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of eight to ten plays written before 1600 and selected sonnets. Included are tragedies, comedies, and histories.

ENG 333. Shakespeare's Later Plays (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A study of eight to ten plays written after 1600. Included are tragedies, comedies, and histories.

ENG 335. Restoration and Eighteenth-Century Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major writers and types of literature between 1660 and 1800. May include works by Dryden, Swift, and Pope, as well as examples of the periodical essay, early novel, and drama.

ENG 336. British Romanticism (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Selected poetry and prose of the Romantic period, 1783-1837. Emphasis on developments in poetry, the role of the artist, and Romantic critical theory. Includes such writers as Blake, Byron, Wordsworth, Coleridge, Keats, Shelley, Austen, and Scott.

ENG 337. Victorian Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. English literature from 1832 to 1901. Cultural upheavals as reflected in poetry and prose by such authors as Tennyson, Browning, Arnold, Pater and the Pre-Raphaelites, Dickens, George Eliot, and Thackeray.

ENG 338. British Literature 1900-1950 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of a broad range of writings from the first half of the twentieth century. Includes works by British authors such as Conrad, Lawrence, Joyce, Woolf, Yeats, Shaw, and Auden.

ENG 340. Multiculturalism and Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

ENG 341. Postcolonial and Third World Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literature of postcolonial and Third World regions, with emphasis on Africa and its diaspora, Latin America, and Asia. Introduction to postcolonial theories.

ENG 345. (CLA 345) Topics in Mythology (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. The study of a selected theme in world mythologies. Content varies from semester to semester. May be repeated once under a different subtitle.

ENG 350. American Romanticism (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major writers in the American Renaissance, from 1820 to the Civil War, such as Whitman, Emerson, Thoreau, Poe, Hawthorne, and Melville.

ENG 351. American Realism (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major writers in the period of emerging industrialism and urbanization after the Civil War, such as Dickinson, Twain, James, Crane, and Dreiser.

ENG 352. American Literature 1900-1950 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of a broad range of writings from the first half of the twentieth century. Includes works by American authors such as Eliot, Pound, Stevens, O'Neill, Hemingway, Fitzgerald, Porter, and Faulkner.

ENG 353. Southern American Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of nineteenth- and twentieth-century Southern literature, ranging from southwestern humor sketches written before the Civil War to recent literature by such authors as Welty, O'Connor, Faulkner, Ellison, Percy, and Williams.

ENG 354. North Carolina Writers (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Short stories, novels, and poetry by North Carolina writers. Several works reflect upon the life and time of the state. Includes such writers as Charles Chesnutt, O. Henry, Thomas Wolfe, Randall Jarrell, and Gail Godwin.

ENG 355. Ethnic Literature of the United States (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literature of various American ethnic groups, with emphasis on African American, Jewish American, Native American, Hispanic American, and Asian American literature.

ENG 356. American Indian Literatures (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of past and present literatures of various North American Indians, including oral traditions, tales, poetry, and fiction.

ENG 361. Studies in the Short Story (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Types of the short story, with emphasis on the features and development of the genre. Works from a variety of periods, authors, and traditions. May be repeated once under a different subtitle.

ENG 362. Studies in the Novel (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Types of the novel, with emphasis on the features and development of the genre. Works from a variety of periods, authors, and traditions. May be repeated once under a different subtitle.

ENG 364. Studies in Poetry (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major types of poetry, with emphasis on their form, style, and interpretation. Poems from a variety of periods, authors, and traditions. May be repeated once under a different subtitle.

ENG 365. Studies in Drama (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism. May be repeated once under a different subtitle.

ENG 370. European Literature to 1900 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A study of a period, movement, theme, or genre in a broad range of writings by Continental authors from 1650 to 1900.

ENG 371. European Literature Since 1900 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A study of a period, movement, theme, or genre in a broad range of writings by Continental authors from 1900 to the present.

ENG 372. Contemporary Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literature since 1950. Includes such movements and themes as confessional and beat poetry, theater of the absurd, alienation, pop culture, and experimentation.

ENG 373. The Female Tradition in Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literary works by nineteenth- and twentieth-century women. Examines evolving women's literary criticism and distinctly female uses of language in literature.

ENG 374. American and British Poetry 1900-1945 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Pre-World War II poets such as Hopkins, Yeats, Pound, Eliot, Frost, and Stevens. Trends in modern poetry are considered.

ENG 375. American and British Poetry since 1945 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Post-World War II poets such as Roethke, Lowell, Giovanni, Plath, Hughes, and Hill. Trends in postmodern poetry are considered.

ENG 380. Literature for Children (3) Prerequisite: ENG 102 or ENG 103 and six additional hours of English courses at the 200 level or above, or consent of instructor. Exploration of children's books in several genres. Intended for present and future parents and teachers of grades 4-9. Although this course is designed primarily for prospective teachers, all majors are welcome.

ENG 381. Literature for Young Adults (3) Prerequisite: ENG 102 or ENG 103 and six additional hours of English courses at the 200 level or above, or consent of instructor. An exploration of various genres appropriate for high school students. Intended for present and future parents and teachers of adolescents. Although this course is designed primarily for prospective teachers, all majors are welcome.

ENG 382. Varieties of Literary Response (3) Prerequisite: ENG 102 or ENG 103 and six additional hours of English courses at the 200 level or above, or consent of instructor. A range of written and oral responses to poetry, fiction, and drama. Student participation in such approaches as role-playing, collaborative problem-solving, dramatization, visualization, and parody. This course is designed for prospective teachers.

ENG 383. Classics Reconsidered (3) Prerequisite: Six hours of literature courses at the 200 level or above, or consent of instructor. Study of classic long works of poetry, fiction, and drama commonly taught in high school English classes. May include such works as Beowulf, The Canterbury Tales, Macbeth, The Rime of the Ancient Mariner, Silas Marner. Especially recommended for prospective teachers.

ENG 384. The Literature of Popular Culture (3) Prerequisite: Six hours of English courses at the 200 level or above, or consent of instructor. Critical study of popular literature as it reflects the meanings and values that shape the perception of reality for the majority of people within a culture. Includes texts in both print and film from various time periods and countries.

ENG 385. Psychology in Literature (3) Prerequisite: Six hours of literature courses at the 200 level or above. Works of literature which have as their theme or which exemplify the psychological state of their characters. Particular attention is paid to the depiction of such psychological problems as neurosis, psychosis, and depression.

ENG 390. Selected Topics in Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A selected literary theme, movement, period, influence, or genre. May be repeated once under a different subtitle.

ENG 420. History of Literary Criticism and Theory (3) Prerequisite: Junior or senior standing and three hours of literature at the 300-400 level, or consent of instructor. A study of the major critical and theoretical statements that have been influential in how we think about literary texts, beginning with Plato and proceeding to major statements of the twentieth century.

ENG 425. Critical Theory and Practice (3) Prerequisite: Junior or senior standing and three hours of literature at the 300-400 level, or consent of instructor. An introduction to representative twentieth-century literary theories and practice in applying them to various texts.

ENG 430. (504) The Age of Chaucer (3) Prerequisite: Nine hours of literature courses, including ENG 211 and at least three hours at the 300-400 level, or consent of instructor. A survey of works written in medieval England. Included are The Canterbury Tales, selections from Chaucer's other works, and representative works in such genres as chronicle, biography, epic, romance, dream vision, and drama.

ENG 431. (505) The Age of Elizabeth (3) Prerequisite: Nine hours of literature courses, including ENG 211 and at least three hours at the 300-400 level, or consent of instructor. English literature of the sixteenth and early seventeenth centuries. Works studied include poetry by Spenser and Shakespeare, plays by Marlowe and Jonson, and prose by More and Sidney.

ENG 432. (506) The Age of Milton (3) Prerequisite: Nine hours of literature courses, including ENG 211 and at least three hours at the 300-400 level, or consent of instructor. Emphasis on the works of Milton. Also includes works by Donne, Herbert, and Bacon.

ENG 445. (THR 445) Playwriting II (3) Prerequisite: ENG 316 (THR 316), or consent of instructor. Advanced techniques of playwriting with an emphasis on full-length plays; the writing of an original full-length play.

ENG 462. (507) Studies in the Novella (3) Prerequisite: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor. Types of novella or short novel, with emphasis on its distinctive features and development as a genre. Works from a variety of periods, authors, and traditions.

ENG 463. (508) Studies in Nonfiction (3) Prerequisite: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor. Types of nonfiction prose, includ-

ing biography, autobiography, memoirs, journals, and various essay forms. Works from a variety of periods, authors, and traditions.

ENG 490. (509) Special Topics in Literature (3) Prerequisite: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor. The study of a selected theme, movement, period, influence, or genre. Content varies from semester to semester. May be repeated once under a different subtitle.

ENG 491. Directed Individual Study (1-3) Prerequisite: Nine hours of literature or writing courses (depending on project focus), at least three of which are at the 300-400 level; overall GPA of at least 2.00; junior or senior standing; and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.

ENG 495. Senior Seminar in Literature/Language (3) Prerequisite: Senior standing, plus nine hours of ENG courses in literature or language, including at least three hours at the 300 level or above, or consent of instructor. Intensive study of a topic in literature or language. Emphasis on individualized work, which may include reports, a longer research project, and appropriate bibliographic assignments. Required of English majors in the Literature and Language Option; fulfills seminar requirements for majors in the General and Teacher Licensure Options. May be repeated once under a different subtitle.

ENG 496. Senior Seminar in Writing (3) Prerequisite: Senior standing, plus nine hours of writing courses beyond ENG 102 or ENG 103, including at least three hours at the 300 level or above, or consent of instructor. Workshop leading to production of a senior manuscript in prose or poetry and public reading of selected work. Required of English majors in the Professional and Creative Writing Option; fulfills seminar requirement for majors in General and Teacher Licensure Options. May be repeated once under a different subtitle.

ENG 498. Internship in Writing (3-6) Prerequisite: ENG 102 or ENG 103, and nine additional hours of writing courses, of which at least three hours are at the 300-400 level. Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.

ENG 499. Honors Work in English (2-3) Prerequisite: Eligibility for honors program and nine hours of literature or writing courses (depending on project focus), at least three hours at the 300-400 level. Independent study for honor students.

For 292 and 492, see explanation on p. 170.

Environmental Studies Course Descriptions

(Department of Earth Sciences)

EVS 120. (GLY 120) Environmental Geology (3) Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities.

EVS 195. Introduction to Environmental Studies (3) Interdisciplinary introduction to the scope and application of environmental studies. Emphasis will be placed on an integrated analysis of environmental principles and discussions centering on current environmental problems.

EVS 316. (SOC 316) Human Ecology (3) Prerequisite: SOC 105 and three additional hours in sociology above the introductory level. A theory of community structure based on social evolution as shown through the referential concepts of population, organization, environment and technology. An analysis of the spatial, temporal, functional and related configuration of human communities.

EVS 325. (ECN 325) Environmental Economics (3) Prerequisite: ECN 125 or 221 and consent of instructor. Application of economic concepts to environmental problems; common property resources, public goods, and technological externalities as determinants of market failure; institutional alternative involving economic incentives.

EVS 370. (PSY 370) Environmental Psychology (3) Prerequisite: PSY 105. Interactions between the physical environment and behavior of the individual. Emphasis on perception of the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.

EVS 485. Special Topics in Advanced Environmental Science (1-6) Prerequisite: Junior or senior standing and EVS 195 or consent of instructor. Selected topics in environmental science not covered in detail in regular course offerings. May be repeated for a maximum of six semester hours.

EVS 490. Senior Project (1-6) Prerequisite: Senior standing and permission of instructor. A research project and seminar under the supervision of a committee of environmental studies faculty. The project should involve the investigation of a current problem in the Environmental Studies field, and the preparation of a written report on the findings.

EVS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

EVS 495. Seminar in Environmental Studies (3) Prerequisite: Junior or senior standing in environmental studies, and consent of instructor. Individual reports and group discussions of the results of student field, laboratory or library research on selected topics in environmental planning and policies.

EVS 498. Internship in Environmental Studies (3) Prerequisite: Senior standing. Synthetic approach to the study of environmental science. Development of the "holistic" view of the environment, its interrelationship with science, technology, and society in a seminar format. Involves a work experience with an agency or organization in the area of environmental science.

EVS 499. Honors Work in Environmental Studies (2-3) Prerequisite: Senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, explanation on p. 170, 111.

Finance Course Descriptions

(Department of Economics and Finance)

FIN 235. Personal Finance (3) Study of individual and family financial decisions. Designed to prepare the student to exercise intelligent control over income, expenditures, borrowing, savings and investments. Recommended elective for non-business majors. (Not open to students who have earned credit for FIN 330.)

FIN 330. Principles of Investments (3) Prerequisite: ACG 201 and ECN 222. An introduction to alternative investments, with major emphasis on financial instruments. Practical descriptive material and relevant theoretical applications. Topics include stocks, bonds, and other financial alternatives.

FIN 331. Real Estate (3) Prerequisite: ACG 201 and ECN 222. Principles of property management and practices relating to appraisal, sales, ownership, control, financing, and transfer of real property.

FIN 332. Risk Management and Insurance (3) Prerequisite: ACG 201 and ECN 222. An introduction to the risk management function and to the basic methods used to handle risks facing the business enterprise, families and individuals. Emphasis is on the insurance method of handling risk with study of the concepts underlying insurance, the fundamentals of insurance contracts, and a broad selection of policy coverages in the property and liability, and life and health fields.

FIN 335. Principles of Financial Management (3) Prerequisite: ACG 203, PDS 217, and ECN 222. An introduction to the finance function of business enterprise and to the analytical techniques used in making investment and financing decisions.

FIN 336. Intermediate Corporate Finance (3) Prerequisite: FIN 335. The study of the theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. Topics include cash flow determination, firm valuation, the Capital Asset Pricing Model, and an introduction to option pricing.

FIN 410. Financial Statement Analysis (3) Prerequisite: FIN 335. An examination of the conceptual background and analytical tools necessary to understand and interpret financial statements. Students will learn how to access, manipulate, and analyze financial statement data from various databases.

FIN 430. Investment Management (3) Prerequisite: FIN 330 and 335. An analytical approach to the valuation of stocks, bonds and options and the placement of those securities in Markowitz-efficient portfolios. Technical and fundamental analysis, market efficiency and valuation methods are examined. Both application and theory are emphasized.

FIN 431. Real Estate Investment Analysis (3) Prerequisite: FIN 335. The decision making process in real estate investment analysis including risk and return, financing alternatives, tax implications, and pricing and development alternatives.

FIN 433. (ECN 433) Introduction to Speculative Markets (3) Prerequisite: ECN 324 and FIN 335 or permission of instructor. Elementary economics of financial futures and options markets. Mechanics of trading and coverage of existing regulations. Pricing and strategies in options and futures contracts in the markets for financial assets and commodities. Hedging, risk management and valuation.

FIN 436. Advanced Financial Management (3) Prerequisite: FIN 330 and 336. Financial analysis and decision making in the modern business organization. Theoretical foundations of financial decision making are emphasized, including both working capital and fixed capital requirements.

FIN 437. Commercial Bank Management I (3) Prerequisite: ECN 324 and FIN 335. A study of commercial bank operations and the regulatory environment of banking. Topics will include the evolution of regulation in the United States, industry structure, analysis of bank financial statements, asset/liability management, and capital requirements. Course material will be augmented with cases and a bank simulation game.

FIN 438. Commercial Bank Management II (3) Prerequisite: FIN 437. This course is a continuation of FIN 437. Topics covered include the lending function of commercial banks, credit analysis, bank mergers and acquisitions, and international banking. Cases augment the lecture material.

FIN 439. Multinational Financial Management (3) Prerequisite: FIN 335. An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

FIN 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

FIN 495. Senior Seminar in Finance (3) Prerequisite: FIN 436 and senior standing. An examination of current problems in finance. Course content will vary as new techniques are developed to respond to a dynamic financial environment.

FIN 498. Internship in Finance (1-6) Prerequisite: Senior status and consent of department chairperson. Involves the application of financial concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

FIN 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Fine Arts Course Descriptions

(Department of Art and Theatre)

FNA 110. Introduction to the Arts (3) An inter-and multi-disciplinary introduction to the arts, aesthetic perception and response, and the relationship of the arts to individuals and society - past and present. Treats visual art, music, theatre, dance, film and architecture.

FNA 112. Introduction to Dance (3) Appreciation of dance as an art form. The study of dance as a reflection and expression of various cultures from pre-history to present. Includes exposure to contemporary concert dance through films and televised or live performance. Introductory experience in selected dance techniques. Two class hours and two laboratory hours each week.

FNA 134. (PED 134) Dance Techniques I (1) Basic dance techniques at a beginning level, including ballet, jazz, and modern dance. Three studio hours per week. Accumulative credit limited to four semester hours.

FNA 136. (PED 136) Movement Exploration (3) Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as materials for movement improvisation and composition. No dance training necessary.

FNA 234. (PED 234) Dance Techniques II (1) Prerequisite: FNA 134 or PED 134 or consent of instructor. Basic dance techniques at an intermediate level. Three studio hours per week. Accumulative credit limited to four semester hours.

French Course Descriptions

(Department of Foreign Languages and Literatures)

FRH 101-102. Introductory French (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken French; reading, writing, and basic conversation. Fall and spring.

FRH 105. French for Travelers (3) General interest course, but designed specifically for those planning to travel in a French-speaking country. Emphasis on practical communication, current vocabulary and colloquial expressions. Realia and audio-visual aids used extensively. Course may be structured to answer specific individual needs.

FRH 120. Fundamentals of French (3) Prerequisite: Appropriate department placement test score. A fast-paced approach to the achievement of a basic active command of the language. Aural-oral practice: intensive study of the fundamental structure of the language; reading, writing and basic conversation. For students with limited previous study of the language.

FRH 201-202. Intermediate French (3-3) Prerequisite: FRH 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

FRH 209. French Literature in Translation: Topics (3) Representative works from the literature of France and the French-speaking world. Readings and class discussions in English. May be repeated under a different subtitle.

FRH 301. Conversation (3) Prerequisite: FRH 202 or equivalent. Practice in the use of everyday French for enrichment of functional vocabulary and improved fluency. Extensive use of authentic materials; situational communicative exercises.

FRH 302-303. Grammar and Composition (3-3) Prerequisite: FRH 202 or equivalent. Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, including editing and rewriting.

FRH 306. Reading Strategies (3) Prerequisite: FRH 202 or equivalent. Strategies for improving reading skills and the interpretation of a wide range of texts from current advertisements, newspapers, and periodicals to traditional literary genres.

FRH 308. French Linguistics (3) Prerequisite: FRH 202 or equivalent. An introduction to the phonetics, phonology, morphology, and syntax of French; emphasis on the French sound system, pronunciation, and intonation.

FRH 311. French Civilization (3) Prerequisite: FRH 202 or equivalent. Geographical, historical, and cultural aspects of France from prehistoric times to the present; oral and written reports.

FRH 321, 322. Survey of French Literature (3,3) Prerequisite: FRH 202 or equivalent. Extensive readings covering the main currents of French literature; emphasis in classroom discussion on textual analysis and criticism; oral and written reports.

FRH 405. Advanced Conversation and Composition (3) Prerequisite: FRH 301 or equivalent. Emphasis on oral French, essay writing and translation.

FRH 411. Topics in French Studies (3) Prerequisite: FRH 322 or equivalent. Discussion and interpretation of significant topics of French culture through an interdisciplinary approach. Oral and written reports. May be repeated under a different subtitle.

FRH 412. The Francophone World (3) Prerequisite: FRH 322 or equivalent. Study of representative literary and non-literary texts, films and sound recordings from French-speaking cultures in North America, the Caribbean, Africa, Asia, and elsewhere. Oral and written reports.

FRH 420. Topics in French Literature (3) Prerequisite: FRH 322 or equivalent. The study of a selected literary theme, movement, period, influence, figure, or genre. Oral and written reports. May be repeated once under a different subtitle.

FRH 437. Masterpieces of French Poetry (3) Prerequisite: FRH 322 or equivalent. Reading, discussion and analysis of representative works of French Poetry. Oral and written reports.

FRH 438. Masterpieces of French Drama (3) Prerequisite: FRH 322 or equivalent. The theatre in France from the Renaissance to modern times. Representative texts; oral and written reports.

FRH 439. Masterpieces of French Prose Fiction (3) Prerequisite: FRH 322 or equivalent. Representative works of imaginative French Prose from the 17th century to the present; oral and written reports.

FRH 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

FRH 495. Seminar in French Literature (1-3) Prerequisite: FRH 322 or equivalent. Intensive study of a selected topic in literature. Individualized research, which may include informal and formal presentations, reports, a substantial research project. May be repeated under a different subtitle.

FRH 498. Internship in French (3 or 6) Prerequisite: Junior standing and consent of instructor. A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills. A maximum of six credit hours may be applied to the degree in French.

FRH 499. Honors work in French (2-3) Prerequisite: Senior standing and eligibility for honors program. Independent study for honors students.

German Course Descriptions

(Department of Foreign Languages and Literatures)

GER 101-102. Introductory German (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of the basic patterns of spoken German; reading, writing and basic conversation.

GER 120. Fundamentals of German (3) Prerequisite: Appropriate department placement test score. A fast-paced approach to the achievement of a basic active command of the language. Aural-oral practice: intensive study of the fundamental structure of the language; reading, writing, and basic conversation. For students with limited previous study of the language.

GER 201-202.Intermediate German (3-3) Prerequisite: GER 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

GER 209. German Literature in Translation: Topics (3) Study of representative works from the literature of the German-speaking world. Readings and class discussions in English. May be repeated under a different subtitle.

GER 211. Germany Today (3) The institutions, customs, and current events in the Federal Republic of Germany. (Taught in English.)

GER 305. Conversation and Composition (3) Prerequisite: GER 202 or consent of instructor. Intensive training in spoken and written German.

GER 311. German Civilization (3) Prerequisite: GER 202 or equivalent. Geographical, historical, political and cultural aspects of Germany from the beginnings to the twentieth century.

GER 431. The Classics (3) Prerequisite: GER 202 or equivalent. Works selected from the German classical period. Authors include: Goethe, Schiller, Lessing and Kleist.

GER 432. The Romantics (3) Prerequisite: GER 202 or equivalent. Works selected from the German romantic period. Authors include: Tieck, Eichendorf, Novalis, and Hoffmann.

GER 434. The Moderns (3) Prerequisite: GER 202 or equivalent. Works selected from around 1900. Authors include: Schnitzler, Hoffmannsthal, Bahr, Mann and Rilke.

GER 436. Contemporary Literature (3) Prerequisite: GER 305 or equivalent. Works selected from the latter half of the twentieth century. Authors include: Grass, Böll, Brecht, Frisch, Dürrenmatt, and Walser.

GER 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

GER 495. Seminar in German Studies (1-3) Prerequisite: GER 305 or equivalent. Intensive study of a selected topic in German Studies. May be repeated under a different subtitle.

GER 498. Internship in German (3) Prerequisite: Junior standing and consent of instructor. A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

Geography Course Descriptions

(Department of Earth Sciences)

GGY 130. Introduction to Physical Geography (4) Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

GGY 140. Introduction to Human Geography (3) Survey of the geography of human settlement patterns and activity throughout the world. Emphasis on relationships between physical environments and different facets of human culture, including population, resources, regional development, urban growth, and political, linguistic, and religious patterns.

GGY 180. World Geography I (3) Regional survey of historical, physical, economic, and cultural geography of Europe and the Americas. Fundamental locational geography as the foundation for a clear world view and an understanding of global interdependence.

GGY 181. World Geography II (3) Regional survey of historical, physical, economic, and cultural geography of Africa, Asia, and Oceania. Fundamental locational geography as the foundation for a clear world view and an understanding of global interdependence.

GGY 210. Economic Geography (3) Human economic activities, their location and relationships to physical and economic conditions of the environment.

GGY 230. Introduction to Weather and Climate (3) Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

GGY 240. Population Geography (3) Prerequisite: GGY 140 or consent of instructor. A study of the spatial dimensions of population growth, density and movement and of the shifts in these patterns as they relate to changes in selected socioeconomic and cultural phenomena.

GGY 245. Tourism Geography (3) Prerequisite: GGY 140. Examination of the tourism industry, including ecotourism, as well as its impact on natural and social environments. Various international examples, with special emphasis on the local tourism industry.

GGY 255. Geography of the Middle East (3) Geographical, geological, historical and archaeological investigation of the physical environment and cultural landscapes that provide the settings for the evolution of the populations and cultures of Southwestern Asia.

GGY 270. Principles of Land Use Planning (3) Prerequisite: GGY 130 and 140 or consent of instructor. Introduction to planning techniques and to planning as a profession. Classification and analysis of spatial variations in land use patterns and development processes as they relate to the physical environment and human activities.

GGY 280. Special Topics in Geography (1-3) Prerequisite: GGY 130 or 140, or 180 or 181. Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings. More than one topic may be taken for credit (maximum six hours).

GGY 282. Geography of North Carolina (3) Prerequisite: GGY 140 or consent of instructor. A survey of the physical and cultural landscapes of North Carolina with the emphasis on an understanding of the complex geographical variety that exists within a dynamic and growing southern state.

GGY 312. Geography of Transportation (3) Prerequisite: GGY 210 or consent of instructor. Study of the structural elements of transportation systems and the spatial processes associated with their development.

GGY 317. Urban Geography (3) Prerequisite: Credit in a social science or in history or consent of instructor. Analysis of the spatial distribution, growth, function and structure of urban places with emphasis on urban developments and problems in the United States.

GGY 320. Introduction to Cartography (4) Prerequisite: GGY 130 or GGY 140. Techniques of drafting, cartographic data representation, map design and interpretation. Two lecture and four laboratory hours each week.

GGY 322. Aerial Photography and Remote Sensing (3) Prerequisite: GGY 130 or GLY 101. Introduction to the use of aerial photography and other remote sensing techniques to analyze topography, geology, vegetation and culture. Two lecture and three laboratory hours each week.

GGY 325. Quantitative Methods in Earth Sciences (3) Prerequisite: STT 205 or 215. Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

GGY 333. Applied Climatology (4) Prerequisite: GGY 130 or 230 or consent of instructor. The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Three lecture and two laboratory hours each week.

GGY 335. (GLY 335) Introduction to Geomorphology (4) Prerequisite: GGY 130 or GLY 101. Description and classification of land forms; analysis of the geologic, climatic and biologic factors involved in their formation; survey of geomorphic provinces of the United States. Three lecture and two laboratory hours each week.

GGY 350. Political Geography (3) Prerequisite: GGY 140, GGY 180, or GGY 181, or consent of instructor. Geographic factors in the development of nations and in contemporary national and international affairs.

GGY 382. Regional Geography of the United States (3) Prerequisite: GGY 140 or consent of instructor. A regional analysis of physical characteristics, resource base and human geography of the United States.

GGY 385. Regional Geography of Europe (3) Prerequisite: GGY 140 or HST 102 or consent of instructor. A regional analysis of the physical and cultural features of Europe.

GGY 388. Regional Geography of Post-Soviet Eurasia (3) Prerequisite: GGY 140, GGY 181, or HST 326. Regional analysis of the physical and human geography of the new countries of the former USSR. Special emphasis on ethnoterritorial and environmental problems.

GGY 452. Historical Geography of the United States (3) Prerequisite: HST 201, or GGY 140, or consent of instructor. A study of the evolution of the cultural landscapes and the spatial patterns of the area that is now the United States. Examination of past geographies and of geographical change through time.

GGY 473. Regional and Environmental Land Use Planning (3) Prerequisite: GGY 270. Overview of the concepts and processes related to the regional growth and development. Review of regional land use issues; discussion of planning strategies; and evaluation of regional land use plans and policies.

GGY 478. Historic Preservation Planning (3) Prerequisite: GGY 270, or 352, or consent of instructor. An applied research course which deals with the procedures employed by federal, state and local agencies in locating, recording, restoring and preserving American architectural resources and material cultural heritage. Subjects examined include survey, documentation, and planning; historic districts; adaptive use; funding; legislation; and organizational roles.

GGY 480. Advanced Topics in Geography (1-3) Prerequisite: Junior standing and consent of instructor. Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings. More than one topic may be taken for credit (maximum six hours).

GGY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

GGY 495. Senior Seminar (1-3) Prerequisite: Senior standing in geography. May be repeated one time for credit. One to three hours each week.

GGY 499. Honors Work in Geography (2-3) Prerequisite: Eligibility for honors program and recommendation of department chairperson. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Geology Course Descriptions

(Department of Earth Sciences)

GLY 101. Physical Geology (4) Study of the earth and the moon; constitution of the earth's crust; weathering, erosional and depositional processes; mountain building forces and the earth's internal composition. Field trips. Three lecture and three laboratory hours each week.

GLY 102. Historical Geology (4) Prerequisite: GLY 101. Geologic history of the earth; methods of interpreting the past; ancient environments; development and evolution of life. Required field trips. Three lecture and three laboratory hours each week.

GLY 120. (EVS 120) Environmental Geology (3) Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities.

GLYL 120. Environmental Geology Laboratory (1) Prerequisite or corequisite: GLY 120. Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. Three laboratory hours each week and required field trips.

GLY 131. Dinosaurs (2) Study of the Dinosaurs and other Mesozoic vertebrates as illustrations of the basic principles of vertebrate paleontology. Emphasis is placed on identification, systematics, evolution, ecology and extinction of the Dinosaurs.

GLY 135. Prehistoric Life (3) Introduction to the field of paleontology and the fossil record; the succession of life from its earliest beginnings through the Age of Dinosaurs to modern Man; evolutionary, environmental and ecological analyses of fossil plants and animals based on biologic and geologic principles.

GLY 150. Introduction to Oceanography (3) An introduction to the geology, physics, chemistry and biology of the ocean; instruments and techniques of oceanography; resources of the ocean.

GLY 200. Methods in Geology (3) Prerequisite: GLY 101; Corequisite: GLY 102. Introduction to various bibliographic, graphic, field, and laboratory methods essential to geologic studies. Weekly projects and required field trips.

GLY 201. Mineralogy (4) Prerequisite: GLY 101: Corequisite: CHM 101, including laboratory. Principles of chemical bonding in natural solids; crystal chemistry; physical conditions of mineral genesis; geologically significant mineral associations; crystallography; mineral identification. Required field trips. Three lecture and three laboratory hours each week.

GLY 202. Advanced Mineralogy (3) Prerequisite: GLY 201; Corequisite: MAT 112 or permission of instructor. The techniques of mineral identification and analysis. Theory and application of the polarizing microscope and X-ray diffractometer. Introduction to the principles of the electron microprobe, X-ray fluorescence and atomic absorption. Two lecture and three laboratory hours each week.

GLY 220. Field Methods in Environmental Sciences (3) Prerequisite: GLY 101 or GGY 130; and MAT 111. Field intensive introduction to data collection methods and analytic procedures associated with monitoring, assessment and management of environmental problems. Required field trips. Two lecture and three laboratory hours each week.

GLY 310. General Petrology (4) Prerequisite: GLY 200, 201, or consent of instructor. A survey of the major igneous, sedimentary, and metamorphic rock groups. Emphasis is on classification, textural features, mode of occurrence, environments of origin and economic importance. Laboratory stresses rock identification and typical rock associations. Required field trips. Three lecture and three laboratory hours each week.

GLY 311. Igneous and Metamorphic Petrology (4) Prerequisite: GLY 200, 202. Theories of genesis of the major igneous and metamorphic rocks in the light of chemistry, mineralogy, structure and texture, field associations, and experimental data. The relationship between igneous and metamorphic processes and crust-mantle tectonic activity. Required field trips. Three lecture and three laboratory hours each week.

GLY 312. Sedimentary Petrology (4) Prerequisite: GLY 200, 202; Corequisite: GLY 337. Introduction to the identification, classification and origins of sediments and sedimentary rocks. Emphasis is placed on physical processes controlling sedimentation and study of modern and ancient depositional environments. Field trips. Three lecture and three laboratory hours each week.

GLY 335. (GGY 335) Introduction to Geomorphology (4) Prerequisite: GGY 130 or GLY 101. Description and classification of land forms; analysis of the geologic, climatic and biologic factors involved in their formation; survey of geomorphic provinces of the United States. Three lecture and two laboratory hours each week.

GLY 337. Invertebrate Paleontology (4) Prerequisite: GLY 102. History of fossil protistans and invertebrates with emphasis on the principles of paleontology, systematics and evolution, and on the use of fossils in stratigraphic correlation. Required field trips. Three lecture and three laboratory hours each week.

GLY 391. Appalachian Geology (1) Prerequisite: GLY 102. Field study of the structure, stratigraphy, rocks, and paleontology of the Paleozoic System of the Appalachian geosyncline. Introduction to sample collection, field mapping procedures, and methods of data analysis. Three field days and colloquium. Spring. (Fees)

GLY 392. Coastal Plain Geology (1) Prerequisite: GLY 102. Field analysis of depositional patterns and paleontology of Cretaceous and Cenozoic units of the southeastern Atlantic Coastal Plain. Introduction to methods of litho- and biostratigraphic correlation, sampling techniques, and sample retrieval and data analysis. Three field days and colloquium. Fall (Fees)

GLY 393. Coastal Processes (1) Prerequisite: GLY 101. Field examination of the depositional and erosional processes and materials in the marshes, estuaries and barrier islands of the Carolinas and Georgia. Introduction to basic techniques used by coastal researchers in field measurements, sample retrieval and data analysis. Three field days and colloquium. Spring. (Fees)

GLY 394. Piedmont Geology (1) Prerequisite: GLY 102. Field examination of the petrology, degree(s) of metamorphism, and structural style(s) of the various belts of rock in the crystalline Appalachians. Observations permit regional tectonic syntheses for the Piedmont. Three days and colloquium. Fall (Fees)

GLY 426. (526) Geohydrology (4) Prerequisite: MAT 162 and either GLY 310 or GLY 312. Geology of ground waters and related aspects of surface waters. Methods of ground water resource evaluation, protection, exploitation, and contaminant remediation. Three lecture and two laboratory hours each week.

GLY 431. Stratigraphy (4) Prerequisite: GLY 310 or GLY 312 or GLY 337. An introduction to the description, organization and classification of layered rocks. Emphasis is placed on the practical use of stratigraphic principles in elucidating earth history. Field trips. Three lecture and three laboratory hours each week.

GLY 441. Structural Geology (4) Prerequisite: GLY 200 and MAT 112 or permission of instructor. Introduction to the mechanics, fabrics, and geometry of rock deformation, including stress-strain relationships, folds and folding, and faulting and fracturing of rocks. Selected regional examples introduced to test concepts and theories of orogenic rock mechanisms and tectonics. Required field trip. Three lecture and three laboratory hours each week.

GLY 443. Tectonics (3) Prerequisite: GLY 310, GLY 431, and GLY 441. Current ideas and their development as global tectonic theories. Tectonic controls on orogeny, orogenic belts, magmatism, sedimentation, and metallogeny of major geologic regions of North America and other areas of the world.

GLY 458 (558). (BIO 487/587) Introduction to Coastal Management (4) Prerequisites: Junior standing or consent of instructors. Interdisciplinary study of human impact on coastal environments and organisms. Topics include the physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems. Three lectures and three laboratory hours each week.

GLY 470. Field Course in Geology (6) Prerequisite: GLY 311-312 (or GLY 310), GLY 431, and GLY 441. Geologic field mapping in sedimentary, igneous, and metamorphic rocks. Topographic map and aerial photographic bases. Mapping exercises in selected localities in the southern Rocky Mountains. Six weeks during summer months as part of the UNC system-wide field course.

GLY 472. (572) Introduction to Geochemistry (3) Prerequisite: MAT 162, GLY 201 or CHM 445. Abundance and distribution of chemical elements in the earth. Introduction to thermodynamics, phase and mineral equilibrium, isotopes, and geochronology. Application of geochemical processes to solving geologic and environmental problems.

GLY 480. Advanced Topics in Geology (1-4) Prerequisite: Junior standing in department and consent of instructor. Study of selected topics in geology that are not considered in detail in regular course offerings. Examples of specific topics are plate tectonics, seismology, depositional systems, groundwater hydrology, geochronology, and advanced paleontology. Taught on demand. More than one topic may be taken for credit (maximum 6 hours.)

GLY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

GLY 495. Senior Seminar (1-3) Prerequisite: Senior standing with a major in geology and completion of eighteen hours in the major from courses at the 200-level and above. May be repeated one time for credit.

GLY 499. Honors Work in Geology (2-3) Prerequisite: Eligibility for honors program and recommendation of department chairperson. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Gerontology Course Description

(College of Arts and Sciences)

GRN 101. Introduction to Gerontology (3) Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and field work.

GRN 491. Directed Individual Study (3) Prerequisite: GRN 101, overall GPA of at least 2.00, and consent of instructor, gerontology coordinator, and the appropriate dean. Gerontological investigation, under faculty supervision, beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Health Course Descriptions

(Department of Health, Physical Education and Recreation)

HEA 105. Individual Well-Being (3) Topical areas and issues in health explored within the physical, emotional, social, intellectual, and spiritual dimensions of personal wellness.

HEA 201. First Aid, Safety, and Cardio-Pulmonary Resuscitation (2) A course for certification by the American Red Cross in first aid and cardio-pulmonary resuscitation. One lecture and one lab hour each week.

HEA 205. Reproduction and Sexuality (3) Prerequisite: HEA 105. Emphasizes the anatomy and physiology of reproduction, conception, prenatal growth and parturition; relevant issues pertaining to human sexuality, childbearing and sexual diseases.

HEA 207. Nutrition (3) The main focus of this course will be the application of the principles of nutrition as related to health, various levels of wellness, and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.

HEA 234. Principles of Health Education (3) An introduction to health education program planning, implementation, and evaluation in various health promotion settings. Focuses on responsibilities and strategies of entry-level health educators. Includes a supervised experience in a health-related agency.

HEA 304. Comprehensive School Health Education, Grades K-5 (3) An overview of the school health education program. Emphasis on methods and materials for health instruction in grades K-5.

HEA 305. Comprehensive School Health Education, Grades 6-12 (3) An overview of the school health education program. Emphasis on methods and materials for health instruction in grades 6-12.

HEA 325. Health and Aging (3) Prerequisite: GRN 101. An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality.

Honors Course Descriptions

(Honors Program)

HON 110. Freshman Interdisciplinary Honors Seminar (3) Prerequisite: Formal enrollment in the Honors Program or consent of the director. Introduces the honors student to the college experience by direct involvement in research, service and leadership activities. The nature of knowledge; the concept of a university; how a university education changes individuals and affects the future. Includes field experiences, collaborative learning and independent scholarship. Emphasis on discussion; required student projects.

HON 120. Honors Enrichment (1) Prerequisite: Formal enrollment in the Honors Scholars Program or consent of the director. Students attend a variety of visual/performing/cultural events and lectures on the campus and in the community. By direct contact, students have the opportunity to broaden their educational experience in both traditional and contemporary forums. Discussion and brief written assignments. May be repeated for a maximum of two semester hours.

HON 210. Topical Interdisciplinary Honors Seminar (3) Prerequisite: Formal enrollment in the Honors Scholars Program or consent of the director. An in-depth investigation of a special topic using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are "Preparing for the 21st Century"; "The Sixties"; "Nature: Literature and Science"; "Debating Race and Social Justice"; "The World's Oceans."

History Course Descriptions

(Department of History)

HST 101,102. Western Civilization (3,3) 101: History of Civilization to 1650. 102: History of Civilization from 1650 to the present.

HST 103. Introduction to Global History (3) An introduction to the global effects of colonialism, industrialism and nationalism with special emphasis on Asia, Africa, Latin America and the Middle East since 1500.

HST 201, 202. American History (3,3) 201: United States to 1865. 202: United States from 1865 to present.

HST 237. Women in Modern America (3) Survey of the female experience from the mid-nineteenth century to the present. A focus on three areas which affect the lives of modern women: work, politics and sexuality. Differences between the first and second woman's movement, the sexual revolutions of the 1920s and 1960s, and the changing nature of women's work in modern and post-modern society are explored in a comparative context.

HST 261. Afro-American History (3) A concise survey of the major themes and events in the history of black Americans from the colonial period to the present.

HST 271. The Sea in History (3) The history of human interaction with the sea, focusing on its importance for resources, trade and transport, exploration, and warfare.

HST 273. Evolution of Warfare (3) The development of war from ancient times to the present, emphasizing its effect upon society.

HST 275. History of Science Since 1500 (3) An introduction to the history of the major developments in western science from the scientific revolution to the present, including an examination of both the origins of scientific discoveries and their impact on society.

HST 290. The Practice of History (3) An exploration of the nature of historical inquiry and of the techniques and methods essential to the study and writing of history.

HST 300. War and the United States (3) Prerequisite: HST 201-202 or consent of instructor. Examination of the role of war in the development of the United States from the colonial period to the present. Includes the development of an identifiably American understanding of war and the relationship of the military to society.

HST 301. Foreign Policy of the United States (3) Prerequisite: HST 201-202 or consent of instructor. The formation and implementation of American foreign policy, including the relationship between foreign policy and American political culture, and the impact of foreign perspectives on U. S. foreign policy.

HST 305. The Ancient Near East (3) Prerequisite: HST 101-102 or consent of instructor. An intensive political and cultural study of ancient Babylonian, Egyptian, and other Near Eastern civilizations.

HST 306. Ancient Greece and Rome (3) Prerequisite: HST 101-102 or consent of instructor. A study of the civilization of ancient Greece and Rome with special emphasis on the Greek classical period and the Pax Romana.

HST 311. History of England to 1485 (3) Prerequisite: HST 101-102 or consent of instructor. The history of England from the arrival of the Celtic tribes to the assumption of power by the Tudors in 1485. Emphasis on the political, social, and religious developments of the High Middle Ages.

HST 312. History of England 1485-1815 (3) Prerequisite: HST 101-102 or consent of instructor. The history of England from the assumption of power by the Tudors in 1485 to the victory over Napoleon in 1815. Emphasis on the theme of continuity and change in political, social, and economic life.

HST 313. History of England 1815 to Present (3) Prerequisite: HST 101-102 or consent of instructor. The history of England from Waterloo to the present. Emphasis on the impact of industrialization and urbanization, the gradual democratization of British politics, the expansion and contraction of the British Empire, the impact of world war, the rise of the welfare state, and post-industrial society.

HST 315. History of Modern Ireland (3) Prerequisite: HST 101-102 or consent of instructor. A survey of the history of Ireland from the end of the Elizabethan wars and the establishment of the Ulster plantation through the divergent twentieth-century experience of the Republic and Northern Ireland.

HST 316. British Empire and Commonwealth (3) Prerequisite: HST 101-102 or consent of instructor. A consideration of the British Empire, evolution of the Commonwealth and the emergence of additional post-World War II areas of independence.

HST 319. History of Spain (3) Prerequisite: HST 101-102. Survey of Spanish history with particular attention to Early Modern and Modern Periods. From the Alfonsine era and Reconquista through the Golden Age, decline, Fascism and democracy.

HST 321. History of Modern France (3) Prerequisite: HST 101-102 or consent of instructor. History of France from the French Revolution and Napoleon through the political, economic and social developments of the nineteenth century to the World Wars of the twentieth century.

HST 322. History of Germany 1648-1890 (3) Prerequisite: HST 101 and 102 or consent of instructor. The emergence of modern Germany from the end of the Thirty Years' War through the Bismarckian empire. Topics include the rise of Prussian absolutism, the Enlightenment in Germany, the impact of the French Revolution, Romanticism, the revolutions of 1848, unification, and constitutional problems of the empire.

HST 323. History of Germany 1890 to Present (3) Prerequisite: HST 101 and 102 or consent of instructor. Germany from the end of Bismarck's chancellorship to the present. Topics include World War I, German Expressionism, the failure of Weimar democracy, the rise of the Nazis, defeat and division, rebuilding in East and West, the collapse of communism, and reunification.

HST 325. Russia to 1881 (3) Prerequisite: HST 101-102 or consent of instructor. History of Russia from its origins to 1881. Topics include the Mongol Conquest, statebuilding, foreign policy, popular and intellectual opposition to serfdom.

HST 326. Russia Since 1881 (3) Prerequisite: HST 101-102 or consent of instructor. History of Russia from 1881 to the present. Topics include the impact of emancipation, growth of revolutionary movement, revolutions of 1917, the Stalin years, post-Stalin reforms, end of Soviet Union.

HST 327. Modern Israel (3) Prerequisite: HST 102 or consent of instructor. The origins of the modern state of Israel; the history of Zionism, the Holocaust, and Great Power Diplomacy; evolution of Israel since 1948; political, social, economic, cultural, intellectual, scientific, and technological development; the Arab-Jewish conflict; and Israeli democracy and world politics.

HST 330. Womanhood in America: Family, Work and Community Life (3) Prerequisite: HST 201-202 or consent of instructor. An examination of American women and women's roles from the colonial period to the present.

HST 331. American Urban history (3) Prerequisite: HST 201-202 or consent of instructor. The transition in America from a pre-industrial rural society to an industrial urban society. This course explores the effect urbanization had upon America's social, political and economic institutions and concludes with an examination of how the "revolution" in transportation and technology shaped the design of American cities.

HST 332. American Environmental History (3) Prerequisite: HST 201-202 or consent of instructor. The significance of the environment in American history from the colonial period to the present. Emphasis on the relationship between the natural environment of North America and the development of American culture and society, as well as changing attitudes toward the natural environment.

HST 333. American Social History (3) Prerequisite: HST 201-202 or consent of instructor. The impact of social change on American life from colonial times to the present. An examination of changing concepts of ethnicity and racial identification, the growth of religious movements, the effect of industrialization on family life, the impact of urbanization on crime and violence, and the influences of movies and television on mass behavior.

HST 339. Economic History of the United States (3) Prerequisite: HST 201-202 or consent of instructor. An historical study of American agriculture, labor, industry, transportation, and banking with emphasis on the relation of the government to the economy.

HST 341. North Carolina 1524 to 1835 (3) Prerequisite: HST 201-202 or consent of instructor. Political, economic and social development of North Carolina from the colonial and federal period to the Constitution of 1835.

HST 342. North Carolina 1835 to the Present (3) Prerequisite: HST 201-202 or consent of instructor. Political, economic and social development of North Carolina in the nineteenth and twentieth centuries.

HST 343. Wilmington: A Study of Development (3) Prerequisite: HST 201-202 or consent of instructor. The city of Wilmington, North Carolina, and its environs from geological beginnings through approximately 1970. Wilmington is used as an example of major historical trends with emphasis on the twentieth century.

HST 345. (P&R 352) Religion in Antebellum America (3) Prerequisite: HST 201 or P&R 242 or consent of instructor. The influences and meanings of religion in antebellum American society. Topics include Second Great Awakening, expansion of Protestant and Catholic churches, communitarian movements, religious responses to slavery.

HST 346. The Old South (3) Prerequisite: HST 201-202 or consent of instructor. The South from the colonial period to the Civil War with emphasis on political, economic, and social institutions distinctive to the South.

HST 347. The New South (3) Prerequisite: HST 201-202 or consent of instructor. Aftermath of Reconstruction, rise of the New South, effects of industrialism, continuation and decline of sectionalism.

HST 348. History of the American West (3) Prerequisite: HST 201 and 202 or consent of instructor. American social, political, and economic institutions in the trans-Mississippi West. Topics include the American frontier, Native American and Hispanic cultures, women and minorities, and the Western environment. Individuals and government are examined.

HST 349. American Indian History (3) Prerequisite: HST 201 and 202 or consent of instructor. North American Indian cultures and history from the pre-Columbian era to the present. Topics include Indian social, political, and economic life, religion and worldview, and gender roles; European and American interaction; development of federal Indian policy and the Indian response; status of Indians in contemporary America.

HST 350. Ethnohistory of Southeastern Indians (3) Prerequisite: HST 201-202 or consent of instructor. The history and culture of the Native American peoples of the Southeastern United States from prehistoric times to the present using ethnohistory, a methodology that fuses history and anthropology.

HST 351. (P&R 351) Religion in Early America (3) Prerequisite: HST 201 or P&R 242. Examination of the role and significance of religion in early American culture and society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.

HST 352. Colonial History of the U. S. (3) Prerequisite: HST 201-202 or consent of instructor. Formation and growth of American colonies to the conclusion of the French and Indian War (1763).

HST 353. The American Revolution and Formation of the United States, 1763-1815 (3) Prerequisite: HST 201-202 or consent of instructor. Organization of the British Empire, events preceding the Revolution, the war for independence, Confederation era, drafting and ratification of the U. S. Constitution, politics of the new nation.

HST 354. The Antebellum U. S. (3) Prerequisite: HST 201-202 or consent of instructor. Study of U. S. history from the War of 1812 through the advent of the Civil War. Major topics include Jacksonian Democracy, reform movements, national expansion, immigration, sectionalism, and the political crisis of the 1850s.

HST 355. The Civil War and Reconstruction (3) Prerequisite: HST 201-202 or consent of instructor. Examination of the origins, conduct, and significance of the Civil War, and Reconstruction through 1877.

HST 356. Robber Barons and Reformers: the U. S. from 1877 to 1917 (3) Prerequisite: HST 201-202 or consent of instructor. The rise of American industry and the Populist-Progressive responses to urbanization and industrialization.

HST 357. The United States from World War I through World War II (3) Prerequisite: HST 201-202 or consent of instructor. A study of the United States from 1917 to 1945 with emphasis on World War I, cultural change in the 1920s, the Great Depression, the New Deal, and World War II.

HST 358. The United States Since 1945 (3) Prerequisite: HST 201-202 or consent of instructor. Developments in American politics, cultural life, civil rights,and foreign policy from the time of the Truman Administration to the present.

HST 359. (P&R 353) Religious Reform in Modern America (3) Prerequisite: HST 202 or P&R 242, or consent of instructor. Religious thought and action concerning social change in modern America. Topics include urban revivalism, labor, civil rights, and peace movements. Emphasis on differing interpretations of scripture, church teachings, and religious identity.

HST 360. History of China (3) Prerequisite: Any two of the following: HST 101, 102 or 103; or consent of instructor. Survey of the history of China: the evolution of characteristic Chinese institutions and modes of thought from antiquity to the present within a wider framework of political, economic and cultural change; Chinese responses to western imperialism in modern times; revolutionary transformation in modern contemporary China.

HST 361. History of Japan (3) Prerequisite: Any two of the following: HST 101, 102 or 103; or consent of instructor. Survey of Japanese history from the earliest recorded times to the present emphasizing Japan's development as a cultural daughter of China; Japanization of Chinese culture and unique aspects of Japanese civilization; the emergence of a modern economy and state economic bases of Japanese militarism-imperialism; developmental characteristics of Japanese capitalism.

HST 363. History of Premodern East Asia (3) Prerequisite: HST 101 or 103, or consent of instructor. Survey of East Asia history from ancient times to the mid-nineteenth century, with emphasis on China and Japan and secondary attention to Korea and Vietnam.

HST 365. History of Modern East Asia (3) Prerequisite: HST 101-102 or consent of instructor. A survey of modern east Asian history from the mid-nineteenth century to the present with emphasis on the Asian response to western imperialism, institutional continuity and change, international relations, and movements toward independence and modernization. The course focuses on China, Japan and Korea with secondary attention to Southeast Asia in the post-World War II era.

HST 368. Latin American History (3) Prerequisite: An American or Western Civilization survey course or consent of instructor. The development of South America, Central America, and the Caribbean from the time of the pre-Conquest civilizations to the present.

HST 369. History of Brazil (3) Prerequisite: HST 103 or consent of instructor. A study of Brazilian history from its pre-Columbian beginnings through the periods of Portuguese colonial rule, the Empire, and dictatorship and democracy in the twentieth century.

HST 370. History of the Caribbean (3) Prerequisite: HST 103, or consent of instructor. Survey of indigenous societies, European incursions, plantation life and culture, revolution and independence, slave emancipation, economic, political and racial concerns from European contact to the present.

HST 371. African History to 1800 (3) Prerequisite: HST 102, 103 or consent of instructor. Historical survey of African history from earliest times to 1800 with emphasis on the precolonial period. Topics include early civilizations; the rise of Islam; initial European contacts; and the slave trade.

HST 372. History of Modern Africa (3) Prerequisite: HST 102, 103 or consent of instructor. Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.

HST 373. History of Southern Africa (3) Prerequisite: HST 102 and 103 or consent of instructor. Southern African history from earliest times to the present. Topics include early African and European inhabitants, the Zulu empire, mineral revolutions, regional conflicts, apartheid and African resistance to minority rule.

HST 374. History of West Africa (3) Prerequisite: HST 103, or consent of instructor. Survey of West Africa from earliest times to the present. Topics include early inhabitants, trans-Saharan trade, Muslim empires, precolonial kingdoms and peoples, slavery and the slave trade, colonialism, independence and recent events.

HST 378. Historic Preservation Planning (3) An applied research course which deals with the procedures employed by federal, state, and local agencies in locating, recording, restoring, and preserving American architectural heritage and material cultural resources. Subjects examined include: survey, documentation, and planning; historic districts; adaptive use; funding; legislation; and organizational roles.

HST 379. European International Relations 1648-1914 (3) Prerequisite: HST 101-102 or consent of instructor. The emergence and evolution of the European state system from the end of the Thirty Years War to the origins of World War One. Topics include the rise of the great powers, the classical European balance of power, mercantilism, rise of modern warfare, and the impact of industrialization.

HST 380. Twentieth Century International Relations (3) Prerequisite: One of the following: HST 102, 103, 202, or consent of instructor. Historical analysis of the main techniques, goals, and practitioners of international relations from World War I to the present, stressing shifts in the balance of power, ideological competition, alliance systems, international organizations, peace movements, and new methods of conflict resolution.

HST 382. History of Middle East (3) Prerequisite: HST 101-102 or consent of instructor. Historical survey of the Middle East, with emphasis on the period since the rise of Islam. Topics include the early Islamic conquests, the Sunni/Shi'ite schism, the Ottoman Empire, colonialism, movements toward independence and modernization, and present conflicts.

HST 383. Women in Islamic Society (3) Prerequisite: HST 103. (HST 382 recommended.) The history and roles of women in Islamic Society. Topics include: women and work, women and national movements, women and war, and women and the veil.

HST 390. Medieval Civilization (3) Prerequisite: HST 101-102 or consent of instructor. An examination of medieval Europe from the fall of Rome to the fifteenth century. Emphasis on the development of feudalism, manorialism, and the universal authority of the Catholic Church.

HST 392. Europe in the Renaissance and Reformation (3) Prerequisite: HST 101-102 or consent of instructor. Examination of the profound intellectual, cultural, political and social changes of the period 1350-1618. Topics include Humanism, Italian Renaissance, Northern Renaissance, new monarchies, Protestant Reformations, Catholic Reformation, religious wars, and science.

HST 394. Europe in the Seventeenth and Eighteenth Centuries (3) Prerequisite: HST 101-102 or consent of instructor. Europe from the Thirty Years War to the French Revolution. Topics include mercantilism; intellectual and cultural developments; social transformation; colonialism; decline of Spain; dominance of Netherlands and France; English constitutional government; Scientific Revolution; Enlightenment; emergence of northern, central, and eastern Europe; enlightened despotism.

HST 396. Europe from 1789 to 1914 (3) Prerequisite: HST 101-102 or consent of instructor. The French and Industrial Revolutions and their social and political impact; the rise of nationalism and empires; capitalism and its critics; the changing balance of powers; the coming of the First World War.

HST 398. Europe in the Twentieth Century (3) Prerequisite: HST 101-102 or consent of instructor. Europe from World War I to the rise of consumer societies. Topics include both world wars, nationalisms, communisms, fascisms, and mass consumption.

HST 408. (548) Seminar: Medieval Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Medieval Europe (500-1500).

HST 412. (552) Seminar: Renaissance and Reformation Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Renaissance and Reformation Europe (1350-1618).

HST 414. (554) Seminar: Early Modern Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Early Modern Europe (1618-1789).

HST 416. (556) Seminar: Nineteenth-Century Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Europe from the French Revolution to the First World War.

HST 418. (558) Seminar: Twentieth-Century Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Europe since 1914.

HST 440. (518) Seminar: U. S. Social History (3) Prerequisite: HST 201-202, 290. Intensive study of selected topics in U. S. social history. Examples of topics: African-Americans, immigrants, social movements, education, work and leisure, sexuality. May be repeated under a different subtitle.

HST 442. (525) Seminar: U. S. Economic History (3) Prerequisite: HST 201-202, 290. Intensive study of significant themes or events in U. S. economic history from the colonial period to the present. Examples of topics: economy of Colonial America, 19th-century labor movements, economy of the Antebellum South, agricultural history. May be repeated under a different subtitle.

HST 444. (526) Seminar: U. S. Political History (3) Prerequisite: HST 201-202, 290. Intensive study of selected facets of political theory, behavior, movements, and institutions, and how political power has been used to influence the development of society. Examples of topics: New Deal politics, third-party movements, U. S. Constitution. May be repeated under a different subtitle.

HST 446. (527) Seminar: U. S. Diplomatic History (3) Prerequisite: HST 201-202, 290. Intensive examination of fundamental principles, assumptions, and objectives in the conduct of U. S. foreign policy, and of how Americans have viewed their place in the international order at various moments in their history. Examples of topics: the diplomacy of World War II, the Cold War, arms control and disarmament. May be repeated under a different subtitle.

HST 448. (528) Seminar: U. S. National Security History (3) Prerequisite: HST 201-202, 290. Intensive examination of major themes and events in the evolution of U. S. national security and defense policy, the uses of national power, and the role of military affairs from the colonial period to the present. Examples of topics: the Vietnam War, the use of air power, U. S. imperialism. May be repeated under a different subtitle.

HST 450. (529) Seminar: U. S. Intellectual History (3) Prerequisite: HST 201-202, 290. Intensive examination of the role of ideas in American history. Examples of topics: radicalism, the Enlightenment, myth in American history, and ideas about democracy, ethnicity, equality, religion, gender. May be repeated under a different subtitle.

HST 454. (531) Seminar: U. S. Regional History (3) Prerequisite: HST 201-202, 290. Intensive examination of the economic, social, and political history of a specific region of the United States. May be repeated under a different subtitle.

HST 456. (533) Seminar: U.S. Environmental History (3) Prerequisite: HST 201, 202, 290, or consent of instructor. Selected topics in U.S. environmental history. Examples of topics: nature and culture, the cult of the wilderness, conservation and preservation, resources and regions, gender and nature, the environmental movement. May be repeated under a different subtitle.

HST 470. (570) Introduction to Public History (3) Prerequisite: HST 201-202, 290. A research seminar of public history (government/public policy, archives, and information management, cultural resources management, media and research organizations), and research method-

ologies. Field trips, guest speakers and a sponsored research project provide practical experience for participants.

HST 480. (580) Topics in Public History (3) Prerequisite: HST 201-202, 290. Intensive study of selected themes in public history. Examples of topics: business history, public policy analysis and interpretation of the landscape. May be repeated under a different subtitle.

HST 481. (581) Topics in African History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in African history. Examples of topics: slavery, the slave trade and its abolition, pre-colonial Africa, colonial and post-colonial Africa, oral history in Africa. May be repeated under a different subtitle.

HST 483. (583) Topics in Middle Eastern History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in Middle Eastern history. Examples of topics: early Islamic conquests, the Ottoman Empire, the Arab-Israeli conflict. May be repeated under a different subtitle.

HST 485. (585) Topics in Latin American History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in Latin American history. Examples of topics: pre-Columbian civilizations, colonial rule under Spain and Portugal, nationalism, revolutionary movements. May be repeated under a different subtitle.

HST 487. (587) Topics in Global History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in global history. Examples of topics: colonialism, imperialism, industrialization, slavery, revolutionary movements. May be repeated under a different subtitle.

HST 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

HST 495. (595) Seminar (3) Prerequisite: HST 290. Intensive study of historical topics not regularly covered in other courses. May be repeated under a different subtitle.

HST 496. (586) Topics in the History of Science and Technology (3) Prerequisite: HST 275 or consent of instructor. Intensive study of a selected theme in the History of Science and Technology. Examples of topics include: "Positivism", "Occult Studies and the Renaissance", "The Second Industrial Revolution". May be repeated under a different subtitle.

HST 497. (597) Topics in Asian History (3) Prerequisite: HST 103, 290. Intensive study of selected themes and events in Asian history not regularly covered in other courses. Examples of topics include: The Chinese Revolution, Meiji Japan, Gandhian thought, nationalist movements. May be repeated under a different subtitle.

HST 498. Internship in Public History (3) Prerequisite: HST 470, junior or senior standing, and consent of instructor. Supervised practical experience with a public or private historical organization, agency or institution. Area of concentration, requirements, and means of evaluation to be defined in consultation with faculty.

HST 499. Honors Work in History (2-3) Prerequisite: Senior standing. Consent of instructor or department chairperson. Individual study of honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

International Studies Courses

(Cross Disciplinary)

INT 294. International Student Exchange (12) Sophomore-level designation for UNCW students participating in a semester exchange program in another country.

___ 294. Departmental Study Abroad (3-6) Sophomore-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix to the number and lists the course(s) in the coming semester's schedule of classes.

INT 494. International Student Exchange (12) Senior-level designation for UNCW students participating in a semester exchange program in another country.

___ 494. Departmental Study Abroad (3-6) Senior-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix to the number and lists the course(s) in the coming semester's schedule of classes.

Italian Course Descriptions

(Department of Foreign Languages and Literatures)

ITN 101-102. Introductory Italian (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Italian; reading, writing, and basic conversation.

Japanese Course Descriptions

(Department of Foreign Languages and Literatures)

JPN 101-102. Introductory Japanese (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Japanese; reading, writing, and basic conversation.

Latin Course Descriptions

(Department of Foreign Languages and Literatures)

LAT 101-102. Introductory Latin (3-3) Emphasis on achievement of an active knowledge of the Latin language and reading ability in classical Latin. Intensive study of Latin grammar, aural/oral practice; reading from Latin authors, especially Ovid; discussions to introduce the students to the literature, culture and society of ancient Rome.

LAT 201-202. Intermediate Latin (3,3) Prerequisite: LAT 102 or equivalent. A review of the grammatical structure of the language. Emphasis on developing reading skills through readings from various Latin authors.

LAT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Leadership Course Description

(Department of Communication Studies)

LED 411. Contemporary Leadership Applications (3) Prerequisite: COM 311. Concepts related to leadership. Ability to envision and implement change for the common good using diverse perspectives and contexts. Applies leadership and organizational theories through real world experience and contemporary issues.

Mathematics Sciences Course Descriptions

(Department of Mathematical Sciences)

In general, mathematics is sequential in nature. Therefore, successful mastery of each course in a sequence is necessary in order to be adequately prepared for the next course. In light of this, it is strongly recommended that students obtain a grade of at least "C-" before registering for the next course in a sequence. Sequences offered where this guideline is applicable are MAT 111-112, MAT 111-151, MAT 111-112-151-152, MAT 115-151-152, MAT 111-112-161-162-261, MAT 115-161-162-261. In order to complete these sequences, it is not necessary or appropriate to take additional courses: MAT 151, for example, should *NOT* be taken by a student planning to enroll in MAT 161.

Furthermore, taking certain lower numbered mathematics courses after successfully completing higher numbered courses is strongly discouraged. This statement applies to all sequences listed above. In addition, it is not appropriate to take MAT 151 after taking MAT 161, or to take CSC 233 after taking either MAT 335 or MAT 375, or to take MAT 366 after taking MAT 411.

MAT 100. Foundations of Algebra (0) Designed primarily for students not prepared for MAT 111 who need additional manipulative skills, particularly in algebra. Three hours each week. (No credit granted toward graduation. Hours are counted in computing student loads, but not in computing quality point ratios.) This course is offered on campus through Cape Fear Community College (CFCC). Consequently, all students taking this course are required to pay tuition, fees, and charges as established by CFCC in addition to charges established by UNCW. UNCW collects these additional charges from the student and remits the amounts collected to CFCC.

MAT 101-102. College Mathematics for The General Student (3,3) A survey of mathematical ways of thinking. Introduces logic, number systems, algebra, geometry, probability, statistics, computers, calculus, and the history of mathematics. Emphasis on concepts and applications rather than on manipulative skills. Not intended as preparation for further mathematics courses. (Cannot be substituted for MAT 111, 112, or 115. No credit granted after the completion, with a grade of "C-" or better, of a mathematics course numbered 141 or higher.

MAT 111. College Algebra (3) Prerequisite: Satisfactory performance on the UNCW mathematics placement test. A preparatory course for further mathematics courses. Equations and inequalities; polynomial, exponential and logarithmic functions; graphs; systems of equations. (No credit granted after the completion, with a grade of "C-" or better, of MAT 115 or a mathematics course numbered 151 or higher.)

MAT 112. Trigonometry (3) Prerequisite: MAT 111 or equivalent or satisfactory performance on the UNCW mathematics placement test. Topics from trigonometry and algebra. Includes trigonometric functions, identities and equations; zeros of polynomials, mathematical induction; sequences. (No credit granted after the completion, with a grade of "C-" or better, of MAT 115 or a mathematics course numbered 152 or higher.)

MAT 115. Precalculus (3) Prerequisite: Satisfactory performance on the UNCW mathematics placement test. (This is usually equivalent to an SAT score above 500 in math, and at least a "B" average in algebra I and II, geometry, advanced algebra and trigonometry.) Functions and their inverses, mathematical induction, exponential and logarithmic functions, polynomial and rational functions, trigonometric functions and their inverses. (No credit granted after the completion, with a grade of "C-" or better, of MAT 111, MAT 112, or a mathematics course numbered 151 or higher.)

MAT 141-142.Basic Concepts of Mathematics (3-3) Real number system and related operations, units of measurement, graphs and data analysis, geometry, logic and sets, and introduction to calculators and computers.

MAT 151-152.Basic Calculus with Applications (3-3) Prerequisite: MAT 111 or 115 for 151; MAT 112 or 115 and 151 for 152. Differentiation and integration of algebraic and certain transcendental functions, partial differentiation, sequences and series. Greater emphasis is placed on techniques and applications than on theory and derivations. This sequence is not intended for students who need mathematics beyond calculus.

MAT 161-162.Calculus with Analytic Geometry (4-4) Prerequisite: MAT 112 or 115 or equivalent preparation in algebra and trigonometry. Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, approximations; theory of integration with applications; transcendental functions; infinite sequences and series; conic sections, parametrized curves and polar coordinates; elementary differential equations. Three lecture and two hour laboratory hours each week.

MAT 261. Multivariate Calculus (4) Prerequisite: MAT 162. Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem. Three lecture and two laboratory hours each week.

MAT 275. Axiomatic Systems (3) Prerequisite: MAT 152 or 161. An introductory treatment of logic and methods of proof. Elementary set theory, relations, functions, cardinality, the real number system and topics from axiomatic systems. Emphasis on precision in the language of mathematics and rigor in proofs. Students gain experience in communicating mathematics through presentations.

MAT 321. Number Theory and Its Applications (3) Prerequisite: MAT 275 or CSC 133. Introduction to the theory of numbers motivated by applications. Primes and divisibility; the Euclidean algorithm; linear congruences and the Chinese Remainder Theorem; Fermat's Little Theorem; continued fractions and Farey sequences. Applications to cryptology, computer arithmetic, random number generators and primality testing. Possible additional applications to computer science, physics, communication, music.

MAT 325. (CSC 325) Numerical Algorithms (3) Prerequisite: CSC 111 or 121, MAT 162. An introduction to the numerical algorithms fundamental to scientific computer work. Includes elementary discussion of error, polynomial interpolation, quadrature, linear systems of equations, solution of non-linear equations, and numerical solution of ordinary differential equations. The algorithmic approach and the efficient use of the computer are emphasized.

MAT 335. Linear Algebra and Matrices (3) Prerequisite: MAT 162. Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, applications.

MAT 336. Introductory Modern Algebra I (3) Prerequisite: MAT 275, 335 or consent of instructor. Study of group theory and introduction to rings. Groups subgroups, normal subgroups, quotient groups, homomorphisms. Permutation groups, matrix groups, symmetry groups. Definition and examples of rings.

MAT 337. Introductory Modern Algebra II (3) Prerequisite: MAT 336. Elementary properties of rings, integral domains, ideals, homomorphisms, quotient rings and fields. Rings of polynomials and factorization of polynomials over a field; unique factorization domains; Eisenstein's irreducibility criterion; field extensions; the isomorphism extension theorem; the

primitive element theorem; geometric constructions by ruler and compass; introduction and illustrations of Galois theory.

MAT 345. Modern College Geometry (3) Prerequisite: MAT 275 or consent of instructor. Use of elementary methods in advanced study of the triangle and circle, special emphasis on solving original examples, comparison of Euclidean and non-Euclidean and projective geometries.

MAT 346. Historical Development of Mathematics (3) Corequisite: MAT 275 or consent of instructor. Development of mathematics from earliest systems to present century. Personalities involved with the contributions of each. A problem-study approach to give the student some training in research.

MAT 361. Differential Equations (3) Prerequisite: MAT 261. Theory, methods of solution, and applications of ordinary differential equations with emphasis on first order equations and linear equations. Additional topics from power series solutions, Laplace transforms, linear systems, and numerical methods.

MAT 366. Advanced Calculus I (3) Prerequisite: MAT 261; corequisite: MAT 335. A thorough study of differential and integral calculus of vector-valued functions of a vector variable. Jacobians, inverse and implicit function theorems, change of variables in multiple integrals; theorems of Green, Gauss, and Stokes; applications.

MAT 367. Advanced Calculus II (3) Prerequisite: MAT 366. Further topics in analysis and their applications. Infinite series, power series, uniform convergence; Fourier series and orthogonal functions; Fourier and Laplace transforms; elementary applications to differential equations and boundary value problems. Introduction to complex variables and residue theory.

MAT 375. Combinatorics (3) Prerequisite: MAT 275 or CSC 133. Techniques for counting configurations of objects. Recurrence relations; principle of inclusion-exclusion; graphs, trees, and circuits. Additional topics chosen from Polya's Theorem, generating functions, and network flows.

MAT 411-412. (511-512) Real Analysis (3-3) Prerequisite: MAT 261, 275, and 335. Advanced study of convergence, continuity, differentiation, and integration in Euclidean space. The real number system, basic topology of Euclidean spaces; sequences and series; continuity, differentiation of vector-valued functions, uniform continuity; theory of integration; implicit and inverse function theorems, Stokes' Theorem.

MAT 415. (515) Introduction to Complex Variables (3) Prerequisite: MAT 367 or 411. A first study of functions of a complex variable. Algebra of complex numbers, elementary functions with their mapping properties; analytic functions; power series; integration, Cauchy's Theorem, Laurent series and residue calculus; elementary conformal mappings and boundary value problems.

MAT 418-419. (518-519) Applied Analytical Methods (3-3) Prerequisite: MAT 361 and 367. A thorough treatment of the solution of initial and boundary value problems of partial differential equations. Topics include classification of partial differential equations, the method of characteristics, separation of variables, Fourier analysis, integral equations and integral transforms, generalized functions, Green's functions, Sturm-Liouville theory, approximations, numerical methods.

MAT 421. (521) Number Theory I (3) Prerequisite: MAT 336. Use of algebraic techniques to study arithmetic properties of the integers and their generalizations. Primes, divisibility and unique factorization in integral domains; congruences, residues and quadratic reciprocity; diophantine equations and additional topics in algebraic number theory.

MAT 425. (525; CSC 425/525) Numerical Analysis (3) Prerequisite: MAT 325, 335, and 361. Introduction to the theoretical foundations of numerical algorithms. Solution of linear systems by direct methods; least squares, minimax, and spline approximation; polynomial interpolation; numerical integration and differentiation; solution of nonlinear equations; initial value problems in ordinary differential equations. Error analysis. Certain algorithms are selected for programming.

MAT 435. (535) Linear Programming (3) Prerequisite: CSC 111 or 121 and MAT 335. Methods and applications of optimizing a linear function subject to linear constraints. Theory of the simplex method and duality; parametric linear programs; sensitivity analysis; modeling and computer implementation.

MAT 436. (536) Discrete Optimization (3) Prerequisite: MAT 435. Theory and applications of discrete optimization algorithms. Transportation problems and network flow problems; integer programming; computer implementation.

MAT 451. (551) Topology I (3) Prerequisite: MAT 275 and 336. A study of the basic concepts of general topology. Metric spaces, continuity, completeness, compactness, connectedness, separation axioms, product and quotient spaces; additional topics in point-set topology.

MAT 457. (557) Differential Geometry (3) Prerequisite: MAT 366 or 411. Theory of curves and surfaces in Euclidean space. Frenet formulas, curvature and torsion, arc length; first and second fundamental forms, Gaussian curvature, equations of Gauss and Codazzi, differential forms, Cartan's equations; global theorems.

MAT 463. (563) Ordinary Differential Equations (3) Prerequisite: MAT 335 and 361. Advanced study of ordinary differential equations. Existence and uniqueness; systems of linear equations, fundamental matrices, matrix exponential; series solutions, regular singular points; plane autonomous systems, stability and perturbation theory; Sturm-Liouville theory and expansion in eigenfunctions.

MAT 465. (565; STT 465/565) Applied Probability (3) MAT 261 and STT 362. The formulation, analysis and interpretation of probablistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.

MAT 471. Projects in Mathematical Modeling (3) Prerequisite: MAT 361 or 435 or MAT/STT 465. Techniques of problem recognition and formulation, and mathematical solution and interpretation of results. Each student will construct a mathematical model under the supervision of the Applied Mathematics Advisory Committee and report on the investigation in written and oral form. Seminar format.

MAT 475. Topics in Mathematics (3) Prerequisite: Junior or senior standing and permission of instructor. Topics of current interest in mathematics not covered in existing courses. May be repeated under a different subtitle.

MAT 481. (581) Introduction to Mathematical Logic (3) Prerequisite: MAT 275 and 336. The formal study of truth and provability. Propositional calculus; predicate calculus. Godel's completeness theorem, applications to formal number theory and incompleteness. Additional topics chosen from areas such as undecidability or nonstandard analysis.

MAT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, at least a 3.00 average on all mathematics courses taken, junior or senior standing, and consent of instructor, department chair, and dean. Involves investigation under faculty supervision

beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

MAT 495. Seminar in Mathematics (1-3) Prerequisite: Junior or senior standing and consent of instructor. Investigation of and an oral report on a mathematical topic under the direction of a faculty member. Within the first four weeks of the semester enrolled, the student must submit an outline of the proposed work to the Mathematics Advisory Committee for approval.

MAT 499. Honors Work in Mathematics (2-3) Prerequisite: Eligibility for honors program. Individual study for honor students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Management Course Descriptions

(Department of Management and Marketing)

MGT 350. Organization Theory and Behavior (3) Prerequisite: Junior standing.Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

MGT 352. International Management (3) Prerequisite: MGT 350. Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

MGT 353. Entrepreneurship (3) Prerequisite: ACG 203, MGT 350 and MKT 340. Primary focus on starting a new business. Specific areas include identifying business opportunities, conducting feasibility studies, developing the business plan, evaluating alternative ways of financing new ventures and identifying the appropriate legal form of organization. Purchasing an existing business and acquiring a franchise are also addressed.

MGT 354. Managing Innovation and Technology (3) Prerequisite: MGT 350. Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

MGT 356. Human Resource Management (3) Prerequisite: MGT 350. Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

MGT 357. Hospitality Management (3) Prerequisite: MGT 350 or permission of instructor. The course provides a general overview of the hospitality industry and the issues related to successful management of businesses within this industry. In particular, these sectors include food service, lodging, entertainment, medical, and other related industries such as cruise lines and supplier industries. Special attention will be given to the hospitality sector in the Carolinas, and issues related to entrepreneurship within hospitality.

MGT 358. Organizational Behavior (3) Prerequisite: MGT 350. Application of behavioral science concepts in the management of organizations. Emphasis on increasing productivity on the individual, group, and organizational level. Particular attention directed to analyzing

organizations, developing motivational programs, designing enriching jobs, leadership development, and managing organizational change.

MGT 450. Strategic Management (3) Prerequisite: MGT 350. Examination of strategy as an economic and planning process and as a matter of organizational decision making within a social, political and cultural process. Particular attention directed to examining the increasingly turbulent environment within these contexts.

MGT 451. Total Quality Management (3) Prerequisite: MGT 350 and (or as corequisite) MGT 358, or permission of instructor. Primary emphasis is on gaining an understanding of the concept and process of Total Quality Management (TQM) as an organizational culture and basis for strategy and operations. Particular emphasis is placed on acquiring the knowledge and interpersonal skills necessary to facilitate and institutionalize TQM rather than focusing on the technical aspects of the statistical process control tools typically used in the process. The course involves a high level of student interaction and participation in role modeling the concepts and using group collaborative process tools as a means of learning both the concepts and the tools.

MGT 453. New Venture Management: (3) Prerequisite: MGT 350, MKT 340, and FIN 335. Examination of the challenges associated with maintaining a high rate of growth in relatively new firms. Emphasis on new product and service development, financial planning and control, and operational aspects of new venture management including supplier relations, sources of funding, and credit practices.

MGT 455. Business Policy (3) Prerequisite: MGT 350, PDS 317, BLA 361, MKT 340, FIN 335. Senior level capstone course integrating the business functions. Case analysis, discussion, and presentations are utilized to prepare students for strategic decision making, planning for competitive advantage, communicating decisions, and planning effective implementation of strategies.

MGT 456. Employee-Management Relations (3) Prerequisite: MGT 350. Analysis of management techniques for the administration of labor agreements; study of collective bargaining and union-management relations; and evaluation of labor relations in union and non-union organizations. Case studies provide realistic experience for both private and public sector labor relations.

MGT 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

MGT 495. Senior Seminar (3) Prerequisite: MGT 350 and senior standing. Special topics in management not regularly addressed in other management courses.

MGT 498. Internship in Management (1-6) Prerequisite: Senior standing and consent of faculty supervisor. Involves the application of management knowledge in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

MGT 499. Honors work in Management (2-3) Prerequisite: Senior standing. Independent work for honors students.

Marketing Course Descriptions

(Department of Management and Marketing)

MKT 340. Principles of Marketing (3) Prerequisite: Junior standing. Introduction to the concepts, activities and decisions that relate to the marketing function in business and non-business organizations in domestic and international settings. Focus on development

and implementation of marketing strategies through the use of marketing mix variables of product, price, place, and promotion.

MKT 341. Marketing Research (3) Prerequisite: PDS 217 and MKT 340. The development and utilization of marketing research techniques for decision making. Emphasis on the specification, accumulation, analysis, interpretation and presentation of information to help management understand the environment, identify problems and opportunities, and develop and evaluate courses of marketing action.

MKT 344. Distribution Management (3) Prerequisite: MKT 340. An introduction to physical distribution from an institutional and managerial perspective. Study of channel structure, legal factors, performance measurement, inventory control, and trends in the channel environment. Emphasis on the design and management of a physical distribution system.

MKT 346. Retail Management (3) Prerequisite: MKT 340. Examination of the principles and methods of retailing. Study of social, political, ethical, and economic environments. Emphasis on market segmentation, merchandising, and managerial control.

MKT 347. Promotion Management (3) Prerequisite: MKT 340. The promotion mix, with an emphasis on advertising and sales promotion, as a component of the marketing mix and overall organizational strategy from the perspective of the marketer, advertiser, agency, consumer and public.

MKT 348. Personal Selling (3) Prerequisite: MKT 340. Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in personal selling careers. Includes fundamentals of personal selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

MKT 349. Consumer Behavior (3) Prerequisite: MKT 340. Behavioral science concepts and principles and how they contribute to effective and efficient marketing activities from the perspective of the consumer, marketer and public policy maker.

MKT 442. International Marketing (3) Prerequisite: MKT 340. Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever changing world.

MKT 445. Marketing Management (3) Prerequisite: MGT 350, MKT 341, six additional hours of marketing coursework, and senior standing. Concepts of demand analysis, formulating marketing strategy, establishing policies and procedures, coordinating marketing action, and evaluating performance.

MKT 447. Services Marketing (3) Prerequisite: MKT 340. A study of the marketing of services with emphasis on the distinctions that exist between marketing intangibles and tangible products. The managerial implications and strategies available in services marketing are also examined.

MKT 448. Sales Management (3) Prerequisite: MGT 350 and MKT 340. Focus on developing and maintaining an effective sales organization. Emphasis on the role of the salesperson, motivating the sales force, and designing and implementing selling strategies.

MKT 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

MKT 495. Seminar in Marketing (3) Prerequisite: Senior standing. Special topics in marketing not regularly addressed in other marketing courses.

MKT 498. Internship in Marketing (1-6) Prerequisite: Senior standing and consent of faculty supervisor. Involves the application of marketing knowledge in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or a not-for-profit organization and a faculty supervisor.

MKT 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Music Course Descriptions

(Department of Fine Arts)

MUS 101. Theory I (2) Prerequisite: Placement test. Corequisite: MUSL 101. An in-depth study of the basic material of music, including the physics of sound, time classification, notation of pitch and rhythm, intervals, scales and modes, key signatures and triads. Three hours per week.

MUSL 101. Aural Skills, Keyboard, and Sight-Singing I (1) Corequisite: MUS 101. Includes melodic, harmonic and rhythmic dictation keyboard work, and sight-singing using the materials introduced in MUS 101. Two hours per week.

MUS 102. Theory II (2) Prerequisite: MUS 101. Corequisite: MUSL 102. A study of tonality, triads in inversions, phrase structure and cadences, harmonic progression, the technique of harmonization and non-harmonic tones. Three hours per week.

MUSL 102. Aural Skills, Keyboard, and Sight-Singing II (1) Prerequisite: MUSL 101. Corequisite: MUS 102. Includes melodic, harmonic, and rhythmic dictation, keyboard work, and sight-singing using the materials introduced in MUS 102. Two hours per week.

MUS 105. Rudiments of Music (3) A general survey of the basic materials of music, including the study of musical rudiments, listening experiences, sight-singing, keyboard, and other related activities. The course is designed for elementary education students, public school teacher recertification, music students who wish to prepare for MUS 101, and for students who wish to increase their knowledge of music.

MUS 115. Survey of Music Literature (3) Designed to increase the student's knowledge and appreciation of music; technical knowledge of music not required.

MUS 116. History of Jazz (3) A survey of the evolution of this American art form from its African roots and European influences to the present. Technical knowledge of music not required.

MUS 117. American Music (3) A survey of American composers, musicians, and music making (classical, folk and religious) from the earliest days of European settlement to the present. Technical knowledge of music helpful, but not required.

MUS 118. Survey of Electronic Music (3) A non-technical survey of electronic music, analytical study of compositions from recordings, and basic compositional methods utilizing the facilities of the UNCW Electronic Music Studio. Technical knowledge of music not required.

MUS 119. Popular Music of African-American Culture (3) A socio-cultural survey of urban African-American music, its performers, producers, and songwriters from 1945 to the present. Styles from rhythm and blues to rap music are examined within the context of the communities from which they evolved.

MUS 131. Chamber Music Workshop (1) Open for any student who has had previous training and experience and who has the consent of the chairperson of the department. Small instrumental and vocal ensembles. Type of group will depend upon availability of personnel and faculty instructor. Two hours per week. Accumulative credit.

MUS 133. Opera Workshop (2) Prerequisite: MUS 195-03 or consent of instructor. The musical preparation and staging of operatic scenes through dramatic interpretation, body movement, and improvisation. Three hours each week. May be repeated by music majors for a maximum of eight semester hours.

MUS 134. Choral Workshop (3) Survey of choral literature of all periods, including contemporary and popular, through performance, score study, and analytical listening.

MUS 141-142. Class Piano I (1-1) Prerequisite: Consent of instructor. Recommended for all students enrolled in MUS 101-102 and music majors who have not passed the piano proficiency examination. Laboratory hours as required.

MUS 143-144. Class Guitar (1-1) Prerequisite: Consent of instructor. Class instruction in classical guitar. Prior experience is not required. Two laboratory hours each week.

MUS 146. Class Voice (1) Prerequisite: Consent of instructor. Singing techniques learned through vocal exercises and study of song literature. Two hours each week. Accumulative credit.

MUS 182. Accompanying (1) Prerequisite: Consent of instructor. Accumulative credit limited to eight semester hours. Students will be assigned an instrumentalist or vocalist with whom to work. One hourly class meeting per week, plus accompanying for lesson of soloist and adequate rehearsal time with soloist per week to prepare for the lesson of the soloist.

MUS 183. Chamber Singers (1) Prerequisite: Audition by director. Select group chosen by audition. The singers study and perform the gamut of repertoire for smaller choir. Three rehearsal hours per week. May be repeated for credit.

MUS 184. Jazz Ensemble (1) Prerequisite: Consent of instructor and auditions by director. The study and performance of jazz techniques and interpretation of popular styles in large or small ensemble. (Intended for students who have had instrumental experience.) May be repeated for credit.

MUS 185. Wind Ensemble (1) Prerequisite: Auditions by director. Study and performance of music from the band repertoire, including a broad variety of styles, composers, and nationalities. Meets a minimum of two hours each week. May be repeated for credit.

MUS 186. Concert Choir (1) Prerequisite: Auditions by director. The singers study and perform repertoire of various historical periods and styles appropriate for large chorus. Three rehearsal hours each week. May be repeated for credit.

MUS 187. Orchestra (1) Auditions by director. Study and performance of the orchestral literature performed with the Wilmington Symphony Orchestra which meets for a minimum of two hours per week and gives an average of six performances per year. May be repeated for credit.

MUS 188. Pep Band (1) Prerequisite: Audition by director. Study and performance of music from the band repertoire, including a variety of styles and composers. Provide music and school spirit support at men's basketball home games. One two-hour rehearsal per week. May be repeated. Accumulative credit up to 8 hours.

MUS 195. Lower Level Applied Music, Private Lessons (1) Prerequisite: Consent of Music Department Chair. One half hour music lesson per week. Requires a minimum of five practice hours per week. Accumulative credit.

Baritone Horn	Harpsichord	Trombone
Bassoon	Oboe	Trumpet
Cello	Organ	Tuba
Clarinet	Percussion	Viola

Classical Guitar	Piano	Violin
Flute and Piccolo	Saxophone	Voice
French Horn	String Bass	

MUS 196. Lower Level Applied Music, Private Lessons (2) Prerequisite: Consent of Music Department Chair. One hour lesson per week. Requires a minimum of 10 practice hours per week. May be repeated for credit (instruments as indicated in MUS 195.) (This course is intended for music majors only.)

MUS 197. Lower Level Applied Music, Private Lessons (3) Prerequisite: Consent of Music Department Chair. One hour lesson per week. Requires a minimum of 15 practice hours per week. May be repeated for credit (instruments as indicated in MUS 195.) (This course is intended for music performance majors only.)

MUS 201. Theory III (2) Prerequisite: MUS 102. Corequisite: MUSL 201. A study of the musical process as observed in the literature of the common practice period. Based upon both structural and functional analyses as well as problem solving and controlled composition exercises. Includes secondary dominants, chromatic approach to chords and the concept of modulation. Three hours per week.

MUSL 201. Aural Skills, Keyboard, and Sight-Singing III (1) Prerequisite: MUSL 102. Corequisite MUS 201. Includes melodic, harmonic, and rhythm dictation, keyboard work, and sight-singing using the materials introduced in MUS 201. Two hours per week.

MUS 203. Composition (1 or 2) Prerequisite: Consent of instructor. A beginning study of compositional techniques though direct application in original compositions. One half-hour lesson per week, Accumulative credit.

MUS 218. Electronic Music Composition (2) Prerequisite: MUS 118. A study of basic recording and synthesizer techniques utilizing the facilities of the UNCW Electronic Music Studio.

MUS 225. Introduction to Music Education (1) Topics include a history of public school music education in the United States, philosophies of music education, curriculum developments, and career options in music education. Field observations and interviews.

MUS 226. Music Education for Elementary Teachers (3) Fundamentals of music theory, song accompaniment, classroom instrument techniques, and age-appropriate activities. Selection of materials, strategies for developing music perception and creativity, and enhancement of learning in other subject areas.

MUS 227. Music in Early Childhood (3) Overview of the elements of music and an introduction to singing and keyboard skills. Application of learning theories to musical development. Addresses methods, materials and evaluation.

MUS 235. Jazz Improvisation (2) Prerequisite: MUS 101-102 or consent of instructor. Development of materials and practice for improvisational skills in the jazz idiom. Open to any student with instrumental experience. Presentation in both lecture and performance format.

MUS 236. Jazz Improvisation II (2) Prerequisite: MUS 235 or consent of instructor. Materials and practices for further development of improvisational skills in the jazz idiom. Presentation in both lecture and performance format.

MUS 241-242. Class Piano II (1-1) Prerequisite: MUS 142 or consent of instructor based on placement. Recommended for all music majors who have not passed the piano proficiency examination. Two laboratory hours each week.

MUS 243. String Class (1) Prerequisite: Consent of instructor. Basic technique on violin, viola, cello, and string bass. Two laboratory hours each week.

MUS 245. Woodwind Class (1) Prerequisite: Consent of instructor. Basic technique on clarinet, flute, saxophone, oboe, and bassoon. Three laboratory hours each week.

MUS 247. Brass Class (1) Prerequisite: Consent of instructor. Basic technique on trumpet, French horn, trombone, and tuba. Two laboratory hours each week.

MUS 249. Percussion Class (1) Prerequisite: Consent of instructor. Basic technique on snare drum, timpani, mallet keyboards, and other percussion section instruments. Two laboratory hours each week.

MUS 255. Church Music Literature (3) Prerequisite: Knowledge of music fundamentals. A survey of music literature of the Western church including a study of the historical function of various musical idioms and styles.

MUS 257. Service Playing (2) Prerequisite: Permission of instructor. Practical study of service playing: organ improvisations, modulations, and related problems.

MUS 272. Italian and German Diction for Singers (2) Italian and German phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to Italian and German. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with Italian or German texts. Two and one-half hours of instruction per week.

MUS 273. French and English Diction for Singers (2) Prerequisite: MUS 272, or consent of instructor. French and English phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to French and English. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with French or English texts. Two and one half hours of instruction per week.

MUS 275, 276. Keyboard Literature I & II (3,3) Prerequisite: One year private keyboard instruction at the college level. A survey of keyboard literature in relation to contemporary pedagogical use. Historical evolution of instrument design included. 275: Beginning and intermediate keyboard literature of the 18th, 19th and 20th centuries. 276: Advanced literature of the 18th, 19th and 20th centuries.

MUS 285. Basic Conducting I (2) Prerequisite: MUS 102, MUSL 102, MUS 142. Conducting techniques, score-reading skills, issues of interpretation, and terminology. Three hours per week.

MUS 286. Basic Conducting II (2) Prerequisite: MUS 285. More advanced conducting techniques, score-reading skills, issues of interpretation, and terminology. Three hours per week.

MUS 300. Applications of Music Theory (2) Prerequisite: MUS 201 and MUSL 201. Corequisite: MUSL 300 Major analysis problems and introduction to counterpoint, arranging, and orchestration. Introduction to 20th-century materials. Three lecture hours per week.

MUSL 300. Applications of Aural and Keyboard Skills (1) Prerequisite: MUS 201 and MUSL 201. Corequisite: MUS 300. Dictation and transcription problems, sight-singing of hymns and choral works, sight-reading of instrumental works. Two laboratory hours per week.

MUS 301. Form/Analysis (3) Prerequisite: MUS 300. A study of forms common in Western music from 1600 to the present and the development of skills in analysis.

MUS 302. Modal Counterpoint (2) Prerequisite: MUS 301. A study of strict contrapuntal practice as observed in the church music of Palestrina, Lassus and other 16th-century composers. Includes writing in 2, 3, and 4 voices in imitative and non-imitative styles.

MUS 303. Tonal Counterpoint (2) Prerequisite: MUS 301. A study of contrapuntal practice as observed in the music of J.S. Bach and other 17th- and 18th-century composers. Includes analysis and composition of both invention and fugue.

MUS 306. Orchestration and Arranging (2) Prerequisite: MUS 300 and MUSL 300. Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations. (Designed for music majors.)

MUS 307. Twentieth Century Idioms (2) Prerequisite: MUS 301. An indepth study of musical practice from 1900 to the present based upon both structural and functional analysis as well as problem solving and controlled compositional exercises. Includes quartal harmonies, mixed meters, texture and timbre as musical parameters, indeterminacy and serialism.

MUS 308. Jazz Arranging (2) Prerequisite: MUS 236, 300. Arranging and scoring the jazz combo, with emphasis on contemporary styles. Presentation in both lecture and performance format.

MUS 326. Classroom Music Methods (3) Prerequisite: Junior standing in music education. Instructional planning, organization, and methodology for teaching music in the classroom; objectives, learning domains, and music learning theory. Orff, Kodaly, and Dalcroze methods, computer application, and music textbooks and materials for K-12. Includes high-school level non-performance music curriculum. One hour of field experience each week.

MUS 331. Measurement and Evaluation in Music Education (2) Prerequisite: Junior standing in music education. Measurement of musical behaviors, including music aptitude, achievement and attitudes. Test item construction, interpretation of data, and reporting of results. Descriptive statistics, standardized music tests, reliability and validity.

MUS 351, 352. Introduction to Music History I & II (3,3) Overview of music history and literature, stressing the stylistic developments of music and related social and historical events. 351: Middle Ages, Renaissance, and Baroque. 352: Classic, Romantic, and Contemporary periods.

MUS 355. Music in Religious Institutions (3) Prerequisite: MUS 255. A study of the philosophic and administrative dimensions of music in religious institutions. Topics include historical antecedents and contemporary patterns.

MUS 361, 362, 363. History of Music (2,2,2) Prerequisite: MUS 351, 352 and for 362 & 363 only, MUS 301. 361: Stylistic development of music of the Medieval and Renaissance eras. 362: music history and literature of the 17th and 18th centuries. 363: Music history and literature of the 19th and 20th centuries.

MUS 364. Contemporary Music Literature (2) Prerequisite: MUS 301 and 363. A study of music from the contemporary era.

MUS 365. Modern Jazz (3) Prerequisite: MUS 116, 236. Study of jazz music and the musicians from 1940 to the present. Presentation in both lecture and performance format.

MUS 371. Instrumental Pedagogy and Literature (3) Prerequisite: Two years of college instrumental applied music. Problems, materials, and methods in teaching instruments to private students.

MUS 372. Jazz Pedagogy (3) Prerequisite: MUS 235, 285. Techniques and methods for teaching jazz, emphasizing rehearsal techniques for jazz ensembles. Lecture format and practical conducting experience with one of the university's jazz ensembles.

MUS 373. Instrumental Methods (3) Prerequisite: Junior standing in music education. Instructional planning, organization, objectives, and methodology for teaching in an ensemble setting from elementary through high school level. Rehearsal design and procedure. Comprehensive musicianship, class method books and repertoire, computer applications, marching band techniques, and program management. Field experiences required.

MUS 375. Piano Pedagogy I (3) Prerequisite: Two years of private piano instruction at college level. Problems, materials, and methods and teaching beginning piano to children.

MUS 376. Piano Pedagogy II (3) Prerequisite: Two years of private piano instruction at college level. Problems, materials, and methods in teaching piano to older students of high school and early college age.

MUS 377. Choral Methods (3) Prerequisite: MUS 285, 286, and consent of instructor. Goals, objectives, methodology, and assessment procedures for teaching choral music. Topics may include repertoire and programming, learning theory applied to choral rehearsal, group vocal training techniques, rehearsal procedures, and program management strategies.

MUS 379. Vocal Pedagogy and Literature (3) Prerequisite: Two years of college vocal study. Basic procedures for teaching voice, including voice building and classification; materials and standard literature for solo voice.

MUS 383. Chamber Singers (1) Prerequisite: Minimum of three semesters of MUS 183 or 186 and auditions by director. The singers study and perform the gamut of repertoire for smaller choir. Three rehearsal hours per week. May be repeated for credit.

MUS 384. Jazz Ensemble (1) Prerequisite: Minimum of three semesters of UNCW instrumental ensemble and auditions by director. The study and performance of jazz techniques and interpretation of popular styles in large or small ensemble. May be repeated for credit.

MUS 385. Wind Ensemble (1) Prerequisite: Minimum of three semesters of MUS 184 or 185. Study and performance of music from the band repertoire, including a broad variety of styles, composers, and nationalities. Meets a minimum of two hours each week. May be repeated for credit.

MUS 386. Concert Choir (1) Prerequisite: Minimum of three semesters of MUS 183 or 186 and consent of instructor. The singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated for credit.

MUS 387. Orchestra (1) Prerequisite: Minimum of three semesters in MUS 184, 185 or 187 and auditions by director. Study and performance of the orchestral literature performed with the Wilmington Symphony Orchestra, which meets for a minimum of two hours per week and gives an average of six performances per year. May be repeated for credit.

MUS 393. Junior Recital (1) Prerequisite: Consent of faculty. A performance of at least 20 minutes of repertoire selected from the appropriate levels of difficulty. May be repeated once for credit.

MUS 395. Upper Level Applied Music, Private Lessons (1) Prerequisite: Consent of Music Department Chair. One half hour lesson per week. Requires a minimum of five practice hours per week. May be repeated for credit. (Course is restricted to selected upper division music majors.)

Baritone Horn	Harpsichord	Trombone
Bassoon	Oboe	Trumpet
Cello	Organ	Tuba
Clarinet	Percussion	Viola
Classical Guitar	Piano	Violin
Flute and Piccolo	Saxophone	Voice
French Horn	String Bass	

MUS 396. Upper Level Applied Music, Private Lessons (2) Prerequisite: Consent of Music Department Chair. One hour lesson per week. Requires a minimum of 10 practice hours per

week. May be repeated for credit (instruments as indicated in MUS 395.) (Course is restricted to selected upper division music majors.)

MUS 397. Upper Level Applied Music, Private Lessons (3) Prerequisite: Consent of Music Department Chair. One hour lesson per week. Requires a minimum of 15 practice hours per week. May be repeated for credit (instruments as indicated in MUS 395.) (Course is restricted to selected upper division music majors.)

MUS 403. Advanced Composition (3) Prerequisite: MUS 203 and consent of instructor. Music majors only. Advanced study of compositional techniques through direct application in original compositions. One hour seminar each week plus private instruction. Accumulative credit.

MUS 475. Practicum in Applied Teaching (1) Prerequisite: MUS 371, or 375-376, or 379. Students will develop and implement a private studio under the guidance of a faculty member.

MUS 485. Advanced Conducting (2) Prerequisite: MUS 285, 286, and consent of instructor Choral or instrumental conducting techniques. Students work with the appropriate ensemble using selected literature, e.g. orchestral, wind ensemble, jazz ensemble, choral ensemble, for the various media. (Enrollment restricted to availability of laboratory ensembles and to students of exceptional background and aptitude in the field of conducting.)

MUS 490. Thesis (1) A research thesis in a subject to be determined in consultation with the music faculty during the semester preceding the taking of this course.

MUS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

MUS 493. Senior Recital (1) Prerequisite: Consent of the music faculty. A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficultly. May be repeated once for credit.

MUS 495. Seminar in Music (1-3) Prerequisite: Junior standing. Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.

MUS 496. Senior Seminar in Music (3) Prerequisite: Senior standing in General Music program. Synthesis and application to specific topics of skills drawn from previous musical study. Topics vary according to class and professor's interests. May be repeated under a different subtitle.

MUS 498. Internship in Music (3 or 6) Prerequisite: Junior or Senior standing, and permission of chair. Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

MUS 499. Honors Work in Music (2-3) Prerequisite: Eligibility for honors program, and junior or senior standing. Independent study for honor students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Nursing Course Descriptions

(School of Nursing)

NSG 200. Introduction to Professional Nursing (2) Prerequisite: Admission to the School of Nursing. Corequisite: NSGL 200. An introduction to concepts and techniques of profes-

sional nursing practice. Includes concepts of nursing process, role, health, illness, communication, self-awareness, growth and development, responsibility and accountability, change, needs, client teaching, leadership, prevention, and nursing research. Selected basic nursing techniques associated with these concepts are practiced in the Simulation Laboratory. Three lecture and 10 simulation practicum hours each week (summer session).

NSGL 200. Introduction to Professional Nursing Practicum (1) Prerequisite: Admission to the School of Nursing. Corequisite: NSG 200. Provides the opportunity for clinical application of the introductory concepts and techniques of professional nursing practices which are taught in NSG 200. Students apply these concepts with individual adult clients in various stages of health. Ten hours clinical practicum each week (summer session).

NSG 215. Foundations for Contemporary Nursing Practice (3) Prerequisite: Sophomore status. A foundation for nursing practice is provided through an examination of the historical development of nursing. The legal, ethical, professional and theoretical frameworks for practice are discussed. Nursing roles and functions are examined. Nursing theories are introduced as students define their own concepts of health, nursing, individual and society. Current issues in nursing and health care are explored.

NSG 300. Nursing Process I (5) Prerequisite: NSG 200, NSGL 200, NSG 215. Corequisite: NSG 301, 310, NSGL 300. Focuses on utilization of the nursing process with families, incorporating communication patterns, family development and the professional nurse's role in primary prevention with families. Basic research findings are incorporated and additional nursing techniques are acquired. Beginning concepts of secondary prevention are introduced. Five hours each week.

NSGL 300. Nursing Process I Practicum (4) Prerequisite: NSG 200, NSGL 200, NSG 215. Corequisite: NSG 300, 301. Provides the opportunity for clinical application of the concepts and techniques which are taught in NSG 300 and NSG 301. The nursing process is used with families in all phases of the life cycle, focusing on primary prevention. Selected secondary prevention related to screening in healthy populations is implemented. Twelve hours clinical practicum each week.

NSG 301. Introduction to Health Assessment (2) Prerequisite: NSG 200, NSGL 200 Corequisite: NSG 215. An introduction to the concepts and techniques of health assessment including interviewing and history-taking, developmental assessment, psychosocial assessment, and physical assessment. Nursing process provides the major framework for focusing on assessment of individual adults and identifying opportunities for primary prevention. Assessment techniques are practiced in the Simulation Laboratory.

NSGL 301. Introduction to Health Assessment Practicum (1) Corequisite: NSG 301. Provides the opportunity for clinical application of introductory concepts and techniques of health assessment which are taught in NSG 301. Assessments are performed with individual adult and geriatric clients in various stages of health. Thirteen hours clinical practicum each week.

NSG 310. Interactions in Nursing Practice I (3) Prerequisite: NSG 200, NSGL 200. Prerequisite or Corequisite: NSG 300, NSGL 300, NSG 301. Emphasizes elements of the teaching-learning process and related principles of change, decision-making, communication and assertiveness. Selected literature is reviewed, as a teaching project is implemented with a designated family.

NSG 325. Introduction to Pharmacology (3) Recommended Prerequisites: BIO 240, 241, 246. Survey course designed to introduce the basic concepts of pharmacology and pharmacotherapy to the nursing/allied health professional student.

NSG 345. Health Maintenance Needs of Young Children (2) Prerequisite: PSY 220, HEA 201, HEA 207. Corequisite: SOC 349, NSGL 345. Focuses on health maintenance needs of young children (birth through kindergarten). From the prospective of teachers and caretakers, it addresses activities of daily living, environmental safety, common health problems and infection control within community day care and preschool settings. This course is designed for non-nursing majors.

NSGL 345. Health Maintenance Needs of Young Children Practicum (1) Prerequisite: PSY 220, HEA 201, HEA 207. Corequisite: SOC 349, NSG 345. Provides students opportunity to work in a variety of child care settings with a specific focus on health maintenance of young children and their families. They will practice child care skills and experience ways in which the dependency needs of children (birth through kindergarten) are managed by staff members in community settings while maintaining a healthy safe environment. This course is designed for non-nursing majors.

NSG 350. Nursing Process II (5) Prerequisite: NSG 300, NSGL 300, NSG 301, 310. Corequisite: NSGL 350. Focuses on utilization of the nursing process with families who have a member in an acute care setting. A foundation is developed for secondary prevention, including pathophysiology, psychopathology, relevant theories and research, and nursing roles and functions. Additional nursing techniques needed for secondary prevention are required.

NSGL 350. Nursing Process II Practicum (3) Prerequisite: NSG 300, NSGL 300, NSG 301, 310. Corequisite: NSG 350. Provides the opportunity for clinical application of the concepts and techniques taught in NSG 350. The nursing process is used with families who have a member in an acute care setting, focusing on secondary prevention. Nine hours clinical practicum each week.

NSG 360. Interactions in Nursing Practice II (2) Prerequisite: NSG 310. Corequisite: NSG 350, NSGL 350. Emphasizes elements of group process and related principles of decision-making, change, collaboration, leadership, and conflict resolution. A self-inventory of characteristics necessary in leadership is conducted; strengths and weaknesses are analyzed. Teaching-learning principles are applied with a group of clients.

NSG 400. Nursing Process III (4) Prerequisite: NSG 350, NSGL 350, NSG 360. Corequisite: NSGL 400. Focuses on utilization of the nursing process with families who have a member in a critical care setting and development of a framework for more advanced secondary prevention. Beginning concepts of tertiary prevention are introduced and additional nursing techniques pertaining to advanced secondary prevention are acquired.

NSGL 400. Nursing Process III Practicum (3) Prerequisite: NSG 350, NSGL 350, NSG 360. Corequisite: NSG 400. Provides the opportunity for clinical application of the advanced secondary prevention concepts and techniques which are taught in NSG 400. The nursing process is utilized with families who have a member experiencing a life-threatening illness or crisis. Nine hours clinical practicum each week.

NSG 410. Interactions in Nursing Practice III (3) Prerequisite: NSG 350, NSGL 350, NSG 360. Corequisite: NSG 400, NSGL 400. Prerequisite or Corequisite: NSG 389, NSGL 389, NSG 415. Emphasizes elements of community assessment and related principles of epidemiology, health planning, social and political change, environmental management, and levels of prevention. Community resources and data sources are incorporated into the implementation of an assessment for a selected community.

NSG 415. Research in Nursing (2) Prerequisite: STT 210, NSG 350, NSGL 350, NSG 360. Prerequisite or Corequisite NSG 389, NSGL 389, NSG 410. Examines research process as applied to nursing. Research terminology, methodology, and applicability of research find-

ings for clinical practice are emphasized. Computer uses and ethical decision-making are incorporated. Principles of research are applied in developing a preliminary proposal for a nursing research project of limited scope.

NSG 416. Research Practicum (1) Implementation of research proposal from NSG 415.

NSG 445. Nursing in Barbados (5) Study designed for upper division nursing majors and registered nurses to study the culture and health care practices of the people of Barbados. Students will have an in-depth study of the political, social, economic, religious, educational, governmental and health care systems. They will examine the history, traditions, customs, and health practices of the Bajan people. Clinical practicum will focus on care of clients in the Queen Elizabeth Hospital and Sir Winston Scott Polyclinic.

NSG 450. Nursing Process IV (5) Prerequisite: NSG 400, NSGL 400, NSG 410. Corequisite: NSGL 450. Focuses on the utilization of the nursing process with individuals, families, and groups who have complex health needs. A conceptual framework for clinical practice based on related beliefs, theories, and research is developed, and provides the foundation for the role of the nurse in tertiary prevention.

NSGL 450. Nursing Process IV Practicum (3) Prerequisite: NSG 400, NSGL 400, NSG 410. Corequisite: NSG 450. Provides the opportunity for the clinical application of concepts and techniques taught in NSG 450 and NSG 460. The nursing process is utilized with individuals, families, and groups who have complex health needs, and the student assumes responsibility for coordinating or directing the care of a group of clients. Nine hours clinical practicum each week.

NSG 460. Interaction in Nursing Practice IV (3) Prerequisite: NSG 400, NSGL 400, NSG 410, 415. Corequisite: NSG 450, NSGL 450, NSG 490. A seminar focusing on nursing leadership and management for the professional nurse. Included are: related concepts and theories of organization, change, power and authority, and role development; models of nursing care delivery; legal ramifications of delegation; models of quality assurance; computer applications in nursing management; and transitional issues for the graduate.

NSG 490. Advanced Nursing Practicum (1) Prerequisite: NSG 400, NSGL 400, NSG 410, 415. Corequisites: NSG 460. Provides the opportunity for clinical application of the nursing process to a selected area of nursing practice as the student integrates the concepts of research, prevention, and change into a clinical project. Emphasis on further development of nursing skills, knowledge and leadership and establishing collegial relationships. Three hours clinical practicum each week.

NSG 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing; consent of instructor; NSG 300, NSGL 300, or NSG 389, NSGL 389. A maximum of six hours will apply toward graduation.

NSG 495. Selected Topics in Nursing (1-3) Prerequisite: Nursing student with junior or senior standing, or registered nurse with baccalaureate degree in nursing, consent of the instructor, and approval of the Level III Coordinator. Selected topics in nursing. A maximum of three hours will apply toward graduation.

NSGL 495. Selected Topics in Clinical Nursing (1-3) Prerequisite: Nursing student with junior or senior standing, or registered nurse with baccalaureate degree in nursing, consent of the instructor, and approval of the Level III Coordinator. Selected topics in clinical nursing. A maximum of three hours will apply toward graduation.

NSG 499. Honors Work in Nursing (2-3) Prerequisite: Eligibility for honors program; NSG 300, NSGL 300 or NSG 389, NSGL 389. Individual study for honors students.

Courses for Registered Nurses

NSG 215. Foundations for Contemporary Nursing Practice (3) Prerequisite: Sophomore status. A foundation for nursing practice is provided through an examination of the historical development of nursing. The legal, ethical, professional and theoretical frameworks for practice are discussed. Nursing roles and functions are examined. Nursing theories are introduced as students define their own concepts of health, nursing, individual and society. Current issues in nursing and health care are explored.

NSG 216. Contemporary Issues in Nursing Practice (2) Prerequisite: Sophomore status. With successful completion the student is awarded 24 placement hours. A seminar course for registered nurses provides the focus for the examination of contemporary issues in nursing practice for clients across the life span. Selected theories are used as frameworks for examing nursing practice issues in adult, maternal-child and mental health. The students will also discuss issues related to nurses returning to school for continued professional education.

NSG 301. Introduction Health Assessment (2) Corequisite: NSG 215, NSGL 301 (RN Only). An introduction to the concepts and techniques of health assessment including interviewing and history-taking, developmental assessment, psychosocial assessment, and physical assessment. Nursing process provides the major framework for focusing on assessment of individual adults and identifying opportunities for primary prevention. Assessment techniques are practiced in the Simulation Laboratory. Three lecture and ten simulation practicum hours each week (summer session).

NSGL 301. Introduction to Health Assessment Practicum (1) Corequisite: NSG 301. Provides the opportunity for clinical application of introductory concepts and techniques of health assessment which are taught in NSG 301. Assessments are performed with individual adult and geriatric clients in various stages of health. Thirteen hours clinical practicum each week (summer session)

NSG 389. Family Health Nursing (4) Prerequisites: NSG 215, 216, 301, and NSGL 301. Corequisite: NSGL 389. Focuses on using the nursing process with families in all phases of the life cycle. Incorporates communication patterns, family development and prevention. A clinical framework is developed from relevant theories and research. Nursing roles of career provider, coordinator, client teacher and advocate are explored. Responsibility and accountability for interactions with families are emphasized as the need for change within family and health care delivery systems is identified.

NSGL 389. Family Health Nursing Practicum (2) Prerequisite: NSG 215, 301, and NSGL 301. Corequisite: NSG 389. Provides the opportunity for clinical application of concepts and techniques taught in NSG 389. The nursing process is used with families during all phases of the life cycle in community and acute care setting. Six hours clinical practicum each week.

NSG 410. Interactions in Nursing Practice III (3) Prerequisite: NSG 350, NSGL 350, NSG 360. Corequisite: NSG 400, NSGL 400. Prerequisite or Corequisite: NSG 389, NSGL 389, NSG 415. Emphasizes elements of community assessment and related principles of epidemiology, health planning, social and political change, environmental management, and levels of prevention. Community resources and data sources are incorporated into the implementation of an assessment for a selected community.

NSG 415. Research in Nursing (2) Prerequisite: STT 210, NSG 350, NSGL 350, NSG 360. Prerequisite or Corequisite NSG 389, NSGL 389, NSG 410. Examines research process as applied to nursing. Research terminology, methodology, and applicability of research find-

ings for clinical practice are emphasized. Computer uses and ethical decision-making are incorporated. Principles of research are applied in developing a preliminary proposal for a nursing research project of limited scope.

NSG 416. Research Practicum (1) Implementation of research proposal from NSG 415.

NSG 420. Leadership in the Health Care Delivery System (3) Organizational, human resource and fiscal management, leadership and health care policy theories lay the foundation for leadership and management for the professional nurse. A seminar format will be used to explore the impact of the selected theories for the professional nurse.

NSGL 420. Leadership in the Health Care Delivery System Practicum (2) Provides the opportunity for the clinical application of the theories and concepts of leadership and management in health care systems. Individualized clinical placement will facilitate student application of concepts. The practicum will be negotiated with the clinical instructor. (Six hours of clinical practicum each week).

NSG 489. Advanced Theoretical Basis of Chronic Care (3) The course focuses on using the nursing process with individuals, families, and groups with complex health needs. Theory and relevant research related to chronic care will aid in the completion of the conceptual framework for clinical practice. Advanced concepts of tertiary care including rehabilitation, compliance, long term care and chronic pain management provide the foundation for the role of the nurse. Health care issues related to tertiary prevention are analyzed.

NSGL 489. Advanced Theoretical Basis of Chronic Care Practicum (3) This course provides the opportunity for the clinical application of advanced theories and concepts related to chronic care as taught in NSG 489. The student's clinical organizing framework is implemented as the nursing process is used with individuals, families, and groups who have complex chronic health needs. The student assumes responsibility in coordinating or directing the care of a group of clients. Nine hours of clinical practicum each week.

For 292 and 492; 294 and 494; see explanations on p. 170, 111.

Philosophy Course Descriptions

(Department of Philosophy and Religion)

P&R 101. Invitation to Philosophical Thinking (3) An introduction to various philosophers and philosophical problems from historical, critical, and other perspectives.

P&R 110. Introduction to Logic (3) Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

P&R 115. Introduction to Ethics (3) An introduction to fundamental principles, theories, and problems in ethics.

P&R 201. History of Western Philosophy I (3) A survey of Western philosophical thought in ancient and medieval times. Emphasis on the Greek origins of the philosophical tradition. Readings from the Pre-Socratics, Plato, Aristotle, Roman philosophy and such Christian thinkers as Augustine and Thomas Aquinas.

P&R 202. History of Western Philosophy II (3) A survey of Western philosophical thought from the beginning of the modern era to the present. Emphasis on the rationalist and empiricist traditions. Readings from such philosophers as Descartes, Spinoza, Locke, Hume, Kant and Russell.

P&R 205. American Philosophy (3) A survey of American philosophical thought from colonial times to the present. Readings from such American thinkers as Jonathan Edwards, the Federalist authors, Thoreau, James, Dewey and Quine.

P&R 211. Philosophy of Human Nature (3) A survey of past and present theories of human nature; oriented toward issues in education and human development.

P&R 213. Existentialism (3) An introduction to major themes in existential thought such as freedom, authenticity, death of God, the meaning of life. Primary source readings from existential authors, e.g., Kierkegaard, Nietzsche, Heidegger, Sartre, Marcel.

P&R 215. Bioethics (3) Examination of the principles and problems in the application of ethical theory to medical research and practice.

P&R 216. Business Ethics (3) An examination of the principles and problems in the application of ethical theory to administrative and management practice.

P&R 217. Military Ethics (3) An examination of the application of ethical theory to the military profession and the practice of war.

P&R 218. Symbolic Logic (3) Fundamentals of an axiomatic logical system, including both the propositional calculus and the predicate calculus, consistency and completeness proofs, and mathematical induction.

P&R 220. Philosophy & Science Fiction (3) A survey of the major philosophical themes explored in contemporary science fiction. Topics covered include the nature and limits of science and technology, human nature, and the viability of alternative political arrangements. The emphasis will be on learning to identify the philosophical themes that underlie much of contemporary science fiction and to use these to develop a better understanding of the modern world. Readings will include both fiction and contemporary philosophy.

P&R 302. Plato (3) Prerequisite: P&R 101 or 201. Study of the Dialogues of Plato. Analysis of texts; contemporary interpretations.

P&R 303. Aristotle (3) Prerequisite: P&R 101 or 201. An examination of Aristotle's philosophy through selected texts, supplemented with contemporary criticisms. Aristotle's criticisms of Plato; problems of interpretation.

P&R 305. Medieval Philosophy (3) A survey of Islamic, Jewish and Christian philosophical thought in medieval times. Readings from such thinkers as Augustine, Avicenna, Averroes, Maimonides and Thomas Aquinas.

P&R 310. (PLS 310) Legal Philosophy and Jurisprudence (3) Prerequisite: Junior standing and/or the consent of instructor. An introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include: natural law; historical, analytical and sociological jurisprudence; idealism, utilitarianism and legal realism; equity, justice, precedent, custom and law, and the relation of law and morality.

P&R 313. Social and Political Philosophy (3) Prerequisite: P&R 101, 115, or consent of instructor. An exploration of philosophical issues and concepts central to an understanding of social and political life; e.g., function and cause, justice, liberty, equality, societal facts and laws, utopias, reason and political argument, political obligation and the public interest.

P&R 316. The Philosophy of Art (3) Prerequisite: P&R 101 or consent of instructor. Investigation and exploration into both traditional and contemporary theories regarding the philosophy of art and its associated problems. Visual Arts, such as painting, sculpture, film, etc., will be examined.

P&R 317. Epistemology (3) Prerequisite: P&R 101 or 201-202. Fundamental issues in theory of knowledge: nature of knowledge; reasoning, judgement; truth, certainty and probability.

P&R 318. Metaphysics (3) Prerequisite: P&R 101 or 201-202. Fundamental issues and positions concerning the nature of reality: theories of being, substance, causality.

P&R 320. Philosophy of Mind (3) Prerequisite: P&R 101 or consent of instructor. Selected readings drawn from classical and/or contemporary sources bearing on problems of the self, such as the issue of personal identity and the concept of a person, the problem of the relation of mind and body and the question of the nature of consciousness.

P&R 340. Philosophy of Religion (3) Prerequisite: P&R 101 or 103. Examination of the basic problems found in Western philosophy concerning religion, including efforts to prove the existence of God, the role of faith and reason, the problem of evil, immortality, religious experience, religious language, and religious pluralism.

P&R 345. Philosophy of Science (3) Prerequisite: P&R 101 or consent of instructor. Fundamental issues in the philosophy of science; the nature of scientific method; modes of verification and the role of paradigms.

P&R 360. Philosophy of Evolution (3) Prerequisite: P&R 101 or consent of instructor. Examination of philosophical issues found in the study of evolution: origins of the theory; impact on science; methodology of Darwinian and contemporary evolutionary studies; concepts of species, natural selection and adaptation and its mechanisms; application of evolutionary theory of human culture; and debates over creationism and sociobiology.

P&R 400. Colloquium for Majors (3) Prerequisite: Junior or senior standing. An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors in junior or senior year; open to qualified non-majors.

P&R 401. The Philosophy of Immanuel Kant (3) Prerequisite: P&R 101 or 202. An examination of the thought and influence of Kant in his three great critiques, especially the first, the Critique of Pure Reason, as well as in his Groundwork of the Metaphysics of Morals.

P&R 405. Contemporary Philosophical Thought (3) Prerequisite: P&R 101 or 202. Primary source study of the various philosophers of the 20th century, representing the major schools or movements.

P&R 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

P&R 495. Seminar (1-3) Prerequisite: Credit in philosophy and religion and consent of department. Research of selected philosophic and/or religious problems.

P&R 499. Honors Work in Philosophy (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Religion Course Descriptions

(Department of Philosophy and Religion)

P&R 103. Introduction to Religion (3) Religion as a field of study; major modes of religious expression; chief issues in religious thought and experience; the search for method since the Enlightenment critique; contemporary developments.

P&R 125. Great Books of the World's Religions (3) Selections from classic writings of both Western and Eastern religions, including Hebrew Bible, the New Testament, the Qur'an, and Buddhist and Hindu scriptures. Examination of their central ideas and values as well as their development and acceptance as sacred scriptures.

P&R 140. Research Tools for Historical and Textual Criticism—Hebrew (3) Basic study of the Hebrew language with special attention to that of the Old Testament.

P&R 141. Research Tools for Historical and Textual Criticism—Greek (3) Basic study of the Greek language with special attention to that of the New Testament.

P&R 225. Women and Religion (3) Images, expectations, and experiences of women in the history of religions. Topics include the importance of gender to the study of religion, women's real or perceived power (or lack of it) within the major classical traditions, and alternative women's religious groups and ideas appearing since the 1970s.

P&R 230. Judaism, Christianity and Islam (3) Survey of the three major Abrahamic faiths; the origins, beliefs and practices of these "people of the Book;" history of their interactions and influence on Western culture.

P&R 231. Primitive and Classical Religions (3) A survey of primitive religion as revealed both in archaeological research and remaining primitive customs; examination of classical faiths of Egypt, Mesopotamia and ancient Europe.

P&R 232. Asian Religions (3) A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

P&R 233. African Religions (3) Religions of Africa, including traditional and non-traditional religious systems, and their impact on African societies and Africanism in the Americas.

P&R 235. Introduction to the Old Testament (3) Historical study of the Hebrew scriptures and their cultural background; focus on the values, problems, and perceptions of the human condition reflected in these texts and archaeological data related to them.

P&R 236. Introduction to the New Testament (3) Historical survey of the canonical Christian literature; illustration of contemporary methods of text-criticism, literary-criticism, form-criticism, and redaction-criticism; focus on results of modern scholarship in appreciating the Gospels and their function in the early Christian community.

P&R 238. History of Christianity I: Early and Medieval (3) Survey of the basic development of the Christian church from its foundation to the Protestant Reformation. Emphasis on major thinkers and pivotal events that determined the historical trends.

P&R 240. History of Christianity II: Modern (3) Survey of the history of Christianity from the Reformation to the present. Accent on the contributions of the chief theologians and the particular problems raised by "modernity" since the 17th century.

P&R 242. Religion in America (3) Survey of religious thought and experience from colonial times to the present; representative Protestant, Catholic, and Jewish leaders; native American and black American traditions; religious reform and revivalism.

P&R 243. Afro-American Religion (3) Study of the religious life of black American communities, with concentration on independent traditions, sects, and a sampling of major thinkers and issues.

P&R 244. Caribbean Religions (3) Religious diversity within the Caribbean, including established, non-traditional, and afrocentric religious traditions, and their interaction with popular culture.

P&R 245. Judaism (3) Introduction to religious beliefs, rituals and traditions of Judaism. Examination of its historical background and contemporary significance.

P&R 246. Islam (3) Introduction to religious beliefs, rituals and traditions of Islam. Examination of its historical background and contemporary significance.

P&R 247. Hinduism (3) A survey of Hindu religion and philosophy over its three thousand year history. Examines myths, philosophies, rituals, meditation teachings, and social thought.

P&R 248. Buddhism (3) Survey of the essentials of Buddhism as seen in ethical and social thought, meditation practices, philosophies, rituals and art.

P&R 255. Historical Geography of Middle East (Biblical Era) (3) Prerequisite: GGY 145 or P&R 235 or consent of instructor. Geographical, archaeological, historical, and geological investigation of the physical environment and cultural landscapes that provide the settings for the evolution of the population, economics, and cultures of Southwestern Asia.

P&R 325. Psychology of Religion (3) Prerequisite: P&R 103 or consent of instructor. Selected readings on the nature and types of religious experience, and on theories of personality and consciousness as they relate to religion. Examination of the writings of Freud, Jung, and others.

P&R 330. Religion and Literature (3) The interplay between religion and literature through an exploration of the religious themes, images, and experiences expressed in contemporary and classical world literatures.

P&R 334. Old Testament Literature (3) Analysis and interpretation of a particular part of the Hebrew Scriptures. Topics will vary from one course offering to another. (The Torah; the Prophets; the Writings).

P&R 336. New Testament Literature (3) Analysis and interpretation of a particular part of the New Testament. Topics will vary from one course offering to another. (The Gospels; the Acts of the Apostles; the Johannine works; the Letters of Paul).

P&R 337. Apocrypha and Pseudepigrapha (3) Prerequisite: P&R 235 or 236. Analysis of the major Jewish and Christian writings related to but excluded from the Bible, including histories, apocalypses, testaments, prayers, moral tales, and wisdom books.

P&R 340. Philosophy of Religion (3) Prerequisite: P&R 101 or 103. Examination of the basic problems found in Western philosophy concerning religion, including efforts to prove the existence of God, the role of faith and reason, the problem of evil, immortality, religious experience, religious language, and religious pluralism.

P&R 350. Native American Religious Traditions (3) Prerequisite: P&R 103 or 242. Examination of the religious traditions of native peoples of North America with a focus on beliefs, rituals, and contemporary developments.

P&R 351. (HST 351) Religion in Early America (3) Prerequisite: P&R 242 or HST 201. Examination of the role and significance of religion in early American culture and society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.

P&R 352. (HST 345) Religion in Antebellum America (3) Prerequisite: P&R 242 or HST 201 or consent of instructor. The influences and meanings of religion in antebellum American society. Topics include Second Great Awakening, expansion of Protestant and Catholic churches, communitarian movements, religious responses to slavery.

P&R 353. (HST 359) Religious Reform in Modern America (3) Prerequisite: P&R 242 or HST 202, or consent of instructor. Religious thought and action concerning social change in modern America. Topics include urban revivalism, labor, civil rights, and peace movements. Emphasis on differing interpretations of scripture, church teachings, and religious identity.

P&R 355. Southern Religion (3) Prerequisite: P&R 103 or consent of instructor. Study of religion in the Old and New South. Topics include native American religious traditions, religious practices of blacks and whites, evangelicalism and fundamentalism, church involvement in political and social issues.

P&R 400. Colloquium for Majors (3) Prerequisite: Junior and senior standing. An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors in junior or senior year; open to qualified non-majors.

P&R 421. Contemporary Religious Thought (3) Prerequisite: P&R 103. Primary source study of principal religious thinkers of 20th century, especially within Judaism and Christianity.

P&R 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

P&R 495. Seminar (1-3) Prerequisite: Credit in philosophy and religion and consent of department. Research of selected philosophic and/or religious problems.

P&R 499. Honors Work in Philosophy (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Production and Decision Sciences Course Descriptions

(Department of Production and Decision Sciences)

PDS 105. Basic Computer Applications for Business (3) An introduction to computer processing using popular software for spreadsheets, word processing, and other software. Competence will be stressed; simple access and use of software packages will not be sufficient. Microcomputer hardware and history will be presented.

PDS 217. Statistical Analysis for Business and Economics (3) Prerequisite: MAT 111 or 115. Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

PDS 313. Introduction to Management Information Systems (3) Prerequisite: ACG 201 and MGT 350. Introduction to the nature, role and implementation of information systems in organizations. The management of the information resource and issues related to accessing, processing, and distributing information within a business context are emphasized. Scope of the course includes taxonomy of information systems, survey of database and telecommunications, and review of computer hardware and software.

PDS 314. Introduction to Management Science (3) Prerequisite: MAT 151, and PDS 217. Deterministic and probabilistic models applied to economics and business decision. Topics include linear programming, network analysis, and decision theory. Emphasis on quantitative techniques and how they can be applied and interpreted by managers. Computer applications introduced.

PDS 315. Management of Database Systems (3) Prerequisite: PDS 217 and 313. Study of the design and administration of database systems in a business environment. The rela-

tional model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

PDS 316. Computer Concepts and Applications (3) Prerequisite: PDS 313. An introduction to programming business applications. Emphasis is on the implementation phase of the development life cycle. All laboratory projects focus on a PC environment using Visual Basic.

PDS 317. Production and Operations Management I (3) Prerequisite: PDS 314 and MGT 350. Analysis of concepts, tools, and techniques used to control manufacturing and service operations. Topics include PERT/CPM, forecasting, materials management, inventory control, facility layout/location, and quality management. Particular attention is directed to the study of production process alternatives.

PDS 318. Advanced Statistical Analysis for Management (3) Prerequisite: PDS 217. Statistical inference as applied to management decision making. Topics include linear and non-linear regression models, analysis of variance and covariance, time series analysis, experimental design, and nonparametric statistical techniques. Applications require the use of computer-based statistical analysis programs.

PDS 319. Quality Control (3) Prerequisite: PDS 317. An introduction to the quantitative and qualitative concepts used in the control of quality, in both the manufacturing and service environments. Emphasis placed on the statistical tools used in process control and acceptance sampling, along with extensive computer examples and exercises.

PDS 413. Management Information Systems Development (3) Prerequisite: PDS 313. Corequisite: PDS 315. Examination of the technical and managerial skills required to analyze, design, and implement information systems in a business environment. Topics include structured and object-oriented methodologies, business process redesign, computer-aided systems engineering, and information system project management. Students are required to complete a field project.

PDS 414. Introduction to Business Simulation (3) Prerequisite: PDS 317. Introduction to simulation models as tools in the analysis of business problems. Discrete event simulation models for production and service systems are introduced through the use of a computer simulation language.

PDS 415. Decision Support Systems (3) Corequisite: PDS 413. An introduction to decision support and the use of decision support software to enable the analysis of business data to support decision making through modeling. Includes an introduction to terminology, concepts, and components of data communication and emerging trends in the field of communications.

PDS 417. Production and Operations Management II (3) Prerequisite: PDS 317. Further study in the design, management and control of manufacturing and service operations. Topics include logistics management, capacity planning, scheduling, just-in-time, optimized production techniques and quality assurance. Emphasis on the use of computers to analyze complex operations management case problems.

PDS 418. Business and Economic Forecasting (3) Prerequisite: PDS 318 and consent of instructor. Development of an approach to forecasting through the study of time-series techniques including moving averages, exponential smoothing, regression, and Box-Jenkins.

PDS 419. Materials Management (3) Prerequisite: PDS 317. A detailed analysis of the materials management function in both domestic and international manufacturing and

service organizations with emphasis on purchasing, physical distribution, master production scheduling, management of physical inventories, materials handling, and computer applications.

PDS 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

PDS 495. Seminar in Business Systems (3) Prerequisites: Senior standing, PDS 313 and PDS 314. Special topics of interest to business systems majors.

PDS 498. Business Systems Internship (1-6) Prerequisite: Senior status and consent of faculty supervisor. Involves the application of quantitative and systems skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

PDS 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Physical Education Course Descriptions

(Department of Health, Physical Education and Recreation)

PED 101. Foundations of Physical Activity (2) Study of immediate and long-term effects of physical activity and establishment of individualized programs for acquiring and maintaining physical fitness. One lecture and two hours of activity each week.

PED 103. (REC 103) Physical Education Activity - Program of Outdoor Pursuits (3) Prerequisite: PED 101 or equivalent. Study of and participation in the skills and knowledge of various outdoor recreational activities in a natural setting. Minimum of 10 one-hour lecture sessions and a minimum of 11 excursion days. Travel and subsistence costs for activities borne by the student. (Non-majors may repeat PED 103, in a different activity area, only once.)

PED 104. Scuba (2) Prerequisite: Proficiency in swimming skills. History, theory, and principles of scuba diving. Hyperbaric physiology; equipment development, use and maintenance; development of diving skills and diving safety. Meets certification requirements for all national certifying agencies to the open water level.

PED 105. Lifeguard Training (1) Prerequisite: Current certification in CPR and First Aid. Trains and certifies for American Red Cross Lifeguard Training.

PED 106. Beginning Swimming (1) Designed to teach one how to swim and to instruct the basic strokes including front crawl stroke, backstroke, breaststroke, sidestroke, elementary backstroke as well as survival swimming.

PED 107. Intermediate Swimming and Water Safety (1) Development of competency in basic swimming strokes of front crawl, backstroke, breaststroke, sidestroke; development of water safety skills and techniques.

PED 108. Advanced Swimming (1) Emphasis on developing competencies in basic swimming strokes of front crawl, backstroke, breaststroke, sidestroke, elementary backstroke; turns; develop skill in lifesaving techniques, water safety and cardiovascular conditioning.

PED 109. Water Safety (1) Prerequisite: Possess current Red Cross Emergency Water Safety or Lifeguard Training Certificate. Designed to instruct students how to teach others the various skills and courses offered in the American Red Cross Swimming Programs.

PED 110. Archery (1) Basic techniques and knowledge of target archery. Two hours each week.

PED 111. Beginning Tennis (1) Study of and participation in basic tennis skills including serve, volley, and ground strokes. Emphasis on improving proficiency in techniques and mechanics. Two hours each week.

PED 112. Intermediate Tennis (1) Study and participation in advanced tennis skills and knowledge of the various techniques and tactics, including application of mechanics and strategies. Two hours each week.

PED 113. Golf (1) Skills and knowledge of golf, including basic swing as well as rules and basic terms. Two hours each week.

PED 114. Bowling (1) Instruction and practice in the basic skills of bowling. Two hours each week. Fee.

PED 115. Weight Training (1) Knowledge, technique, and safety procedures of weight training and related activities. Two hours each week.

PED 116. Beginning Racquetball (1) Basic racquetball terminology, scoring and game procedures, including rules, court position, and basic strokes. Two hours each week.

PED 117. Intermediate Racquetball (1) Development of racquetball shots, game strategy, patterns of play, and defensive and offensive returns. Two hours each week.

PED 118. Beginning Racquetball - Tennis (1) Basic terminology, scoring, rules, court position, and strokes of racquetball and tennis. Two hours each week.

PED 119. Badminton-Tennis (1) Basic terminology, scoring, rules, court position, and strokes of badminton and tennis. Two hours each week.

PED 120. Aerobic Dance (1) Cardiovascular fitness program which incorporates physiologically safe dance and exercise movements to music. Intended to develop strength, flexibility, and improve cardiorespiratory efficiency. Two hours each week.

PED 121. Soccer (1) Instruction and participation in the basic skills, strategy and application of rules of soccer. Experiences will include indoor soccer, small-sided games, full-sided matches, video sessions and lecture session. Two hours each week.

PED 122. Volleyball (1) Instruction and participation in the basic skills, strategy and application of rules of volleyball. Two hours each week.

PED 123. Physical Conditioning (1) A personal physical conditioning program including systems of fitness emphasizing circuit training, interval training, and calisthenics. Two hours each week.

PED 124. Basic Canoeing and Kayaking (1) Introduction to theory, navigation rules, equipment, and basic skills of canoeing and kayaking. Emphasis on safety and practice of canoeing and kayaking on coastal waters. Two hours each week.

PED 125. Basic Sailboarding (1) Introduction to theory, navigation rules, equipment, and basic skills of sailboarding. Emphasis on safety and practice of sailing skills. Two hours each week.

PED 126. Snow Skiing (1) Knowledge, safety, conditioning, and basic skills of snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)

PED 127. Motor Boat Operation (1) Prerequisite: Permission of instructor. Introduction to theory, navigation, navigation rules, safety, weather, fire, rescue and seamanship involved in motor boating. Successful completion results in certification by the National Association of State Boating Law Administrators.

PED 134. (FNA 134) Dance Techniques (I) Basic dance technique on a beginner level, including ballet and modern dance. Accumulative credit limited to 4 semester hours.

PED 136. (FNA 136) Movement Exploration (3) Study through creative dance techniques of the body's potential as a tool for creative expression, exploration of the relationship as a tool for creative expression, exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as material for movement improvisation and composition. No dance training necessary.

PED 200. Lifelong Physical Education Programming - Dance and Gymnastics (3) Development and enhancement of the knowledge and skills necessary for designing traditional and lifelong dance and gymnastics physical education programs.

PED 201. Lifelong Physical Education Programming- Individual and Dual (3) Development and enhancement of knowledge and skills necessary for the designing of traditional and lifelong individual and dual physical education programs.

PED 202. Lifelong Physical Education Programming - Team (3) Development and enhancement of knowledge and skills necessary for the designing of traditional and lifelong team physical education programs.

PED 206. Traditional American Dance I (2) Beginner's level study of traditional American dance forms such as, but not limited to: social and ballroom dance; folk dance; square dance; Native American dance; and African American dance. Emphasis on the historical and cultural contributions of each form.

PED 216. Human Anatomy and Physiology I (4) The human integumentary, skeletal, muscular, circulatory and respiratory systems as related to health and movement. Three lecture hours and three lab hours each week.

PED 217. Human Anatomy and Physiology II (3) The human nervous, urinary, endocrine, digestive, and reproductive systems as related to health and movement.

PED 226. Intermediate Snow Skiing (1) Prerequisite: Permission of instructor. Intermediate skills, knowledge, safety and conditioning for snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)

PED 234. (FNA 234) Dance Techniques (II) Prerequisite: FNA 134 or equivalent or consent of instructor. Basic dance technique on an intermediate level. Accumulative credit.

PED 235. Principles of Physical Education (3) Principles, components, and development of physical education from ancient to modern times applied to the present and future.

PED 236. Athletic Officiating (3) Rules, officiating techniques, and problems arising in officiating with emphasis on football, basketball, baseball, volleyball, and tennis.

PED 266. (REC 266) Applications of Computers in Health, Physical Education, and Recreation (2) Prerequisite: Consent of instructor. Computer applications in health, physical education, and recreation focusing on the skills necessary to solve professional problems in the field. No previous computing experience required. (Designed for majors).

PED 301. Introduction to Athletic Training (3) Prerequisite: PED 216. Foundation and principles of athletic training. Emphasis on first aid, emergency care, injury prevention, organization/administration, and counseling/guidance.

PED 315. Motor Development (2) Prerequisite: PED 216 or consent of instructor. Analysis of the sequential progression of fundamental motor skills from infancy through adolescence. Study of physical growth patterns and biological maturity as related to motor performance.

Attention also given to perceptual motor programs for children. A field experience is required.

PED 320. Methods of Teaching Motor Activity (3) Emphasis on instructional methodology appropriate to teaching motor skills and sports activities, formulation of objectives, and lesson planning. Includes practicum in teaching. A field experience is required.

PED 335. Reading in Physical Education (3) A comprehensive review of literature in physical education and related areas.

PED 336. An Approach to Coaching (3) The application of philosophical and psychological knowledge and principles to the administration and coaching of sports with special emphasis on research literature.

PED 340. Biomechanics (3) Prerequisite: PED 216. (BIO 216). Neuromuscular and mechanical principles of human movement, with emphasis on movement analysis most often encountered in fitness activities and sport skills.

PED 349. Physiology of Exercise and Sport (4) Prerequisite: PED 216 or BIO 345. Fundamental responses of the human body to the stress of exercise, including compensatory adjustments to long-term physical training. Three lecture and two lab hours each week.

PED 350. Motor Behavior (3) Prerequisite: PED 216. Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

PED 355. Measure and Evaluation of Human Physical Performance (3) Elementary statistical techniques used in research and interpretation of data; identification of physical fitness and movement components; evaluation of measures now available in the field and administration of performance tests.

PED 359. (REC 359) Research and Evaluation in Health, Physical Education and Recreation (3) Methods of research in the fields of health, physical education and recreation. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

PED 360. Motor Learning (3) An introduction to the principles of motor learning, this course is concerned with the analysis and application of physiology and psychological principles related to the learning and performance of motor skills. Two lecture and one laboratory hours each week.

PED 379. Legal Liabilities in Athletics and Physical Education (3) Prerequisite: Junior or senior level. An introduction to the legal liabilities existing in physical education and athletics. Terminology, procedure, operations of the law and case studies will be studied enabling students to positively confront liability situations should they arise. Emphasis on state laws as well as national laws.

PED 386. Physical Education in the Preschool, K-5 (3) Theory, techniques, and methods of developing and implementing developmentally appropriate physical education for grades preschool, K-5. Emphasis on games, dance, gymnastics, and fitness programming. A field experience is required.

PED 387. Teaching Physical Education in Grades 6-12 (3) Theory, technique, and methods of developing and implementing developmentally appropriate physical education for grades 6-12. Emphasis on games, dance, gymnastics, and fitness programming. A field experience is required.

PED 401. Advanced Concepts in Athletic Training (3) Prerequisite: PED 301. Injury evaluation, therapeutic modalities and rehabilitation.

PED 415. Movement Considerations for Special Populations (3) Prerequisite: PED 216 and junior or senior standing. Problems relating to the physiological and kinesiology needs of the individual with physical limitations. Emphasis on the selection of activities that will provide opportunities for optimum development of which he or she is capable. A field experience is required. Two lecture and two laboratory hours each week.

PED 416. Laboratory Techniques and Research Methods in Exercise Physiology (3) Prerequisite: PED 349 and consent of instructor. A study of laboratory techniques and research methods used to evaluate physiological response to exercise and training. Primarily a laboratory experience.

PED 421-422-423-424-425-426. Methods of Coaching (2) Emphasis on strategy, fundamentals, techniques, training and related duties.

421 Baseball	424 Track and Field
422 Basketball	425 Soccer
423 Football	426 Volleyball

PED 435. Sport Management (3) Prerequisite: Junior or senior standing. Concepts, skills, and techniques necessary for the planning, implementation, management, and evaluation of educational, corporate, and commercial sport or fitness programs.

PED 436. Intramurals (3) Prerequisite: Junior or senior standing. The position of intramural activities in the overall program of physical education. Analysis of problems involved in the administration and organization with emphasis on the practical approach in school systems.

PED 440. Selected Topics in Physical Education (3) Survey course for public school teachers with emphasis on updating traditional ideas and principles and introducing new ideas and problems in health and physical education.

PED 441. Therapeutic Rehabilitation and Modalities in Athletic Training (3) Co-Requisite: PED 401. Exercise rehabilitation theory, techniques, and equipment as they apply to the athletic population.

PED 455. Advanced Tests and Measurements in Physical Education (3) Prerequisite: PED 355. Statistical techniques as applied to research in physical education; measurement and evaluation in areas of agility, balance, power, flexibility, kinesthetic perception and anthropometries.

PED 460. Sport Psychology (3) Prerequisite: Junior or senior standing within the department or consent of instructor. Study of psychological and psychosocial knowledge and principles as they relate to sport participants and the sport environment.

PED 469 (REC 469). Research and Evaluation in Health, Physical Education and Recreation (3) Prerequisite: PED 355 or REC 375. Methods of research in the fields of health, physical education and recreation. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

PED 481. Seminar in Athletic Training (3) Prerequisite: PED 441. Advanced sports medicine (improved methods for prevention, evaluation and treatment of injuries); research of specific injuries; development of communication skills (with patients, physicians and coaches); review and integration of previous sports medicine courses; preparation for studying for the national certification exam.

PED 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

PED 499. Honors Work in Physical Education (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Physics Course Descriptions

(Department of Physics)

PHY 101-102. Elementary College Physics (4-4) Corequisite: MAT 111. Mechanics, heat, sound, light, electricity and magnetism, and introduction to modern physics. Three lecture and two laboratory hours each week.

PHY 103. Great Ideas in Physics (3) Introduces the nature of science to the nonscientist by emphasizing the concepts underlying four great ideas in physics: the conservation of energy, the second law of thermodynamics, the relativity of time, and the wave-particle duality of nature. Explores the mutual influence of science and the humanities (literature, philosophy, history, and the arts).

PHY 105. Introductory Physics (4) Terminal course designed to cover basic principles of physics. Three lecture and two laboratory hours each week.

PHY 111. Naked-eye Astronomy and Archaeoastronomy (3) Detailed knowledge of the motions of the sun, moon, planets, and stars is used to understand ancient skywatching techniques, calendars, celestial lore, sky mythology, cosmological concepts and traditions; the impact of artronomy on the architecture, city planning and cultures of prehistoric societies: ancient European (Stonehenge), Babylonian, Egyptian, Mesoamerican, and Native North American. (Occasional night viewings).

PHY 170. Photography (3) Techniques and procedures in the use of photographic materials and equipment. Two lecture and two laboratory hours each week.

PHY 201-202. General Physics (4-4) Corequisite: MAT 161-162. 201: Mechanics and heat. 202: Electrostatics, magnetism, circuits, electrodynamics, wave motion, and optics. Four lecture and two laboratory hours each week.

PHY 206-207. Problems in General Physics (2-2) Prerequisite: PHY 101-102 and corequisite: MAT 161-162. Problems in general physics and their applications. Two problem sessions each week.

PHY 211-212. Electric Circuits (4-4) Corequisite: MAT 161. Fundamental laws of electric circuits; transient and steady-state sinusoidal analysis of linear circuits by complex frequency, phasor and two-port networks. Three lecture and three laboratory hours each week.

PHY 225. Electronics (3) Prerequisite: Consent of instructor. An introduction to electronics with emphasis on instrumentation and techniques used in scientific laboratories. Two lecture and two laboratory hours each week.

PHY 260. Introduction to Astronomy (3) Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewing.

PHY 311-312. Mathematical Physics (3-3) Prerequisite: PHY 202. An introduction to the mathematical techniques useful in physics: vector analysis, operator and matrix analysis; functions of a complex variable and calculus of residues; differential equations, special functions of a complex variable and calculus of residues; differential equations, special functions

of mathematical physics; Fourier series and transforms, eigenfunctions and Sturm-Liouville equation; Green's functions; variational methods; and perturbation theory.

PHY 321-322. Mechanics (3-3) Prerequisite: PHY 202. Elements of Newtonian mechanics, mechanics of continuous media, Lagrange's equation, rotation of a rigid body.

PHY 335. Modern Physics (4) Prerequisite: PHY 202. Survey of modern physics. Special relativity, atomic and nuclear physics, and an introduction to wave mechanics.

PHY 400. Advanced Laboratory (1) (May be repeated for up to three hours credit) Prerequisite: Consent of instructor. Designed to acquaint students with the various laboratory techniques, error analysis and reduction of data by digital computer.

PHY 411-412. Electricity and Magnetism (3-3) Prerequisite: PHY 202 and corequisite: MAT 261. Electric and magnetic field theory; Poisson's and Laplace's equation; harmonic methods, special methods for solution of electrostatics problems, material media and boundary value problems; electromagnetic waves and radiation; electromagnetic laws of optics.

PHY 415. Solid State Physics (3) Prerequisite: PHY 335. A study of the basic properties of solids—crystal structure; mechanical, thermal and electromagnetic properties as determined by the phonon, electron, and magnon characteristics.

PHY 425. Atomic and Molecular Physics (3) Prerequisite: PHY 444. The quantum theory of atomic and molecular structure and spectra. Topics include relativistic and electromagnetic interactions; the hydrogen atom, the helium atom, multielectron atoms; radiative and Auger transitions, selection rules; diatomic and simple polyatomic molecules.

PHY 435. Nuclear Physics (3) Prerequisite: PHY 444 or consent of instructor. Introduction to properties of the nucleus; natural and artificial radioactivity; nuclear reactions and particle accelerators.

PHY 444. Quantum Theory (3) Prerequisite: PHY 335 and corequisite: MAT 361. An introduction to the basic principles of quantum mechanics. Topics include operators; symmetry; orbital and spin angular momentum; and applications to simple systems.

PHY 445. Optics (3) Prerequisite: PHY 202 and MAT 261. Physical and geometrical optics. Huygen's principles, electromagnetic theory of light.

PHY 455. Thermal Physics (3) Prerequisite: PHY 335 or consent of instructor. Principles of thermodynamics and heat transfer; response of molecules to temperature effects illustrated by introduction to kinetic theory and statistical mechanics.

PHY 475. (575) Physical Oceanography (3) Prerequisite: MAT 152 and PHY 102. An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

PHY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

PHY 495. Physics Seminar (1-3) Prerequisite: Consent of instructor. Discussion of selected topics in physics.

PHY 499. Honors Work in Physics (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Political Science Course Descriptions

(Department of Political Science)

PLS 101. American National Government (3) A survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

PLS 111. Politics and Government in Global Perspective (3) A survey from a cross-national, comparative perspective of politics and governmental institutions within and among nation-states. Attention will also be given to the role of political theory and ideology in the governance of states.

PLS 201. Introduction to Political Science Methods (3) An introduction to the rationale and application of the scientific method to political analysis. Major topics include: statement of problem, survey of literature, theory construction, data collection and analysis, and presentation of findings and conclusions.

PLS 202. Contemporary American Political Issues (3) An examination of important political issues and their relationship to the overall American political process. Topics are selected from, but not limited to: education policy; health care policy; federal deficit and debt policy; and minorities and politics.

PLS 203. Religion and Politics in the United States (3) The origin, nature, and consequences of religion's influence on political values, institutions, and policies in the United States.

PLS 204. Judicial Politics (3) Analysis of the organization, powers and role of the judiciary. Topics include: the political role of judges, factors influencing judicial policy-making, selection of judges, the role of lawyers, and judicial decision-making.

PLS 205. Campaign Politics (3) United States national campaign politics. Focuses on the electoral arena (history, financing, political environments), nominations (delegate selections and conventions), campaigns (organization, strategy, tactics, media), and the election (votes, policy, reforms). Special attention to recent and current presidential and congressional election campaigns.

PLS 206. American State Government and Politics (3) A survey and analysis of the organization, functions, and political processes of the American states.

PLS 207. American Urban Government and Politics (3) A study of the structure, functions, political processes, problems and trends in American city and metropolitan government and politics.

PLS 208. Politics and the Entertainment Media (3) The political and ideological content of popular film and television. Interactions between government and the entertainment media.

PLS 209. Environmental Politics (3) The role of politics in environmental policy. Topics include the politics of the environmental movement, the environment as a public policy issue, and the development and impact of environmental policy.

PLS 212. Introduction to Political Theory (3) Fundamental questions about the nature and purpose of politics as treated by such writers as Plato, Augustine, Locke, Hobbes, and Marx.

PLS 220. Introduction to International Relations (3) Basic analysis of politics among nations. The role of law, force, and diplomacy in world politics; problems of peace and disarmament.

PLS 222. Contemporary International Political Issues (3) An examination of important international political issues and their impact on the political processes among the nations of

the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

PLS 230. Introduction to Comparative Government and Politics (3) Comparative analysis of political systems in developed and Third World Nations, including an examination of the foundations and structures of selected national governments, such as parliamentary and presidential systems, democratic and non-democratic systems.

PLS 300, 301. American Constitutional Law (3,3) Prerequisite: PLS 101. Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. 300: the powers of the judicial, executive, and legislative branches of national government; the relationships among these branches; and the federal system. 301: individual rights and liberties other than procedural rights of persons involved with the criminal justice system.

PLS 302. Public Opinion and Democracy (3) Prerequisite: PLS 101 or consent of instructor. Examination of the origin, content, and policy impact of public opinion in democratic nations, with major emphasis on the contemporary American experience.

PLS 303. Elections and Voting Behavior (3) Prerequisite: PLS 101 or consent of instructor. Evaluation of the impact of citizen beliefs and preferences on election outcomes. Structured around a critical examination of the assumptions, findings and interpretations of the major voting studies since World War II.

PLS 304. Introduction to Public Policy Analysis (3) Prerequisite: PLS 101. A study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing, health, urban renewal and transportation.

PLS 305. The Constitution and the Criminal Justice System (3) Prerequisite: PLS 101. Study of U.S. Supreme Court decisions on rights of suspects, defendants, witnesses, and convicted criminals.

PLS 307. The American Legislature (3) Prerequisite: PLS 101. Functional study of legislative bodies and lawmaking. Among the topics studied will be the role of legislatures; the impact of constituencies, parties, interest groups, interpersonal relationships and other pressures on legislators; legislative structure; and the decision-making process.

PLS 308. Public Administration (3) Prerequisite: PLS 101. Introduction to public administration in the United States. Nature and scope of public administration, public interest in the administrative process, role of administrators, formal and informal organization, public personnel and financial management.

PLS 309. The American Chief Executive (3) Prerequisite: PLS 101. An examination of the concept of a political chief executive as a coordinate member, with legislature and courts, of a government team. Emphasis will be placed on the powers, roles, decision-making processes, and institutional development of the offices of president, governor, and mayor.

PLS 310. (P&R 310) Legal Philosophy and Jurisprudence (3) Prerequisite: Junior standing and/or consent of the instructor. An introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include natural law; historical, analytical and sociological jurisprudence; idealism; utilitarianism; legal realism; equity, justice, precedent, custom and law; and the relation of law and morality.

PLS 312. Scope and Methods of Political Science (3) Prerequisite: PLS 101, 111, and 201. Synthesis of the theoretical questions, techniques, and approaches in the sub-fields of polit-

ical science: American politics, comparative politics, international relations, political behavior, public law and political theory.

PLS 313. Early Political Thought (3) Prerequisite: PLS 111 or consent of instructor. An introduction to the origin and development of political theory from the 5th Century B.C. through the medieval era. Emphasis will be placed on the political ideas of Plato, Aristotle, the Epicureans, the Stoics, Cicero, Augustine, medieval philosophers, and Aquinas in order to discover the recurring themes of political inquiry.

PLS 314. Modern Political Thought (3) Prerequisite: PLS 111 or consent of instructor. A critical examination of political ideas from 1500 to 1900 with special attention to those of Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Hume, Burke, Hegel, Bentham, Marx, the Mills, Spencer, T.H. Green and Nietzsche.

PLS 315. Contemporary Political Ideologies (3) Prerequisite: PLS 111 or consent of instructor. A study of the concept of ideology and its significance in the modern world. Systematic analysis of the major political ideologies of the 19th and 20th centuries with emphasis on democracy, communism, fascism, nationalism, anarchism, and the New Left.

PLS 316. Women and Politics (3) Prerequisite: PLS 111 or 101 or consent of instructor. An introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

PLS 330. Political Systems of Africa (3) Prerequisite: PLS 111 or consent of instructor. The governments and politics of selected sub-Saharan African states. A survey from colonial days to the present with emphasis on contemporary economic, social and political problems.

PLS 331. Politics in Developing Nations (3) Prerequisite: PLS 111 or consent of instructor. An examination of the political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

PLS 332. Politics of Central America and the Caribbean (3) Prerequisite: PLS 111. Political structures of Central America and the Caribbean, and the impact of socio-economic forces on these.

PLS 333. Politics of South America (3) Prerequisite: PLS 111. Politics of South America and the impact of socio-economic forces on the region and its political stuctures.

PLS 335. European Political Systems (3) Prerequisite: PLS 111 or consent of instructor. Political institutions and processes of selected European countries, including Great Britain, France and Germany.

PLS 336. Political Systems of the Soviet Union and Eastern Europe (3) A comparative study of the political institutions and processes of the Soviet Union and the eastern European Countries; the post-Stalin dynamics and the nature and significance of contemporary changes. Attention will be given to their foreign relations, especially with Communist China.

PLS 338. Political Systems of the Middle East (3) Prerequisite: PLS 111 or consent of instructor. The governments and politics of the Middle East with emphasis on the changes that have occurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.

PLS 339. Political Systems of Asia (3) Prerequisite: PLS 111 or consent of instructor. The political systems of selected Asian countries. Special emphasis on the contemporary political, social and economic problems of India, Pakistan, Japan, China, Indonesia and other Asian countries.

PLS 340. Blacks in American Politics (3) Prerequisite: PLS 111 or 101 or consent of instructor. A study of American political institutions and processes through the eyes of Black America. This study will analyze the power structure in the black community, dissent and protest, black participation in the political system, black leaders and politicians and their politics, and the uniqueness of black politics as compared with the wider spectrum of the political system.

PLS 401. Senior Seminar (3) Prerequisite: Senior standing and 33 hours in political science. The capstone course that integrates knowledge from the major subfields in political science. An examination of the discipline's relationship to careers and citizenship.

PLS 405. American Parties and Pressure Groups (3) Prerequisite: PLS 101 or consent of instructor. Historical and analytical treatment of the appearance and realignment of political parties during the five successive "national party systems" since the beginning of the republic. Special emphasis is given to the question of contemporary party disarray and potential realignment.

PLS 406. Contemporary Southern Politics (3) Prerequisite: PLS 211 or consent of instructor. An examination of recent developments throughout the American South and their impact on national politics. Topics covered include southern political culture, the decline of the one-party system, and the changing roles of blacks and organized labor. Emphasis is placed upon independent research projects involving student analysis of census, election return, and public opinion survey data.

PLS 411. (SOC 411) Techniques of Public Opinion Polling (3) Prerequisite: PLS 211 or SOC 301 or consent of instructor. Basic skills in all phases of public opinion polling; issue focus; questionnaire construction; sample selection, interview techniques; elementary data analysis; interpretation and presentation of results. Opinion polls of current political and social issues conducted as class projects to develop these skills.

PLS 415. American Political Thought (3) Prerequisite: PLS 101 or consent of instructor. American political thought from the colonial period to the present.

PLS 422. Contemporary American Foreign Policy (3) Prerequisite: PLS 101 or 111. The roles and interrelationships of Congress, the media, public opinion, the president, the secretaries and departments of state and defense, and the intelligence community are examined. Emphasis is placed on the content and the dynamic aspects of the process of policy formulation and implementation.

PLS 423. National Security Policy (3) Prerequisite: PLS 101. A study of formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.

PLS 425. International Politics (3) Prerequisite: PLS 111 or consent of instructor. Nature of international relations including analyses of basic factors motivating national policies; the United Nations and other international organizations as institutions for promoting peace and welfare in a world of sovereign states.

PLS 426. International Law (3) Prerequisite: PLS 101. Nature, development and basic concepts of international law. Examination of the scope, sources and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

PLS 427. International Organizations (3) Prerequisite: PLS 111 or 101 or consent of instructor. A survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

PLS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

PLS 495. Departmental Seminar (1-3) Prerequisite: Six hours of political science and consent of department chairperson. Consideration of special topics in political science. May be repeated for additional credit.

PLS 498. Internship in Political Science (3-6) Prerequisite: PLS 101, 111, 211, at at least one of the following: PLS 300, 304, or 308; junior or senior political science majors; overall 3.00 GPA or consent of instructor. Experiential learning with selected public or private agencies or with an individual which allows the student to utilize academic training while learning from a practical field experience. (Formal research project is a major part of the internship.) May be repeated up to a maximum of six credits.

PLS 499. Honors Work in Political Science (2-3) Prerequisite: Eligibility for honors program and junior or senior standing. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Portuguese Course Descriptions

(Department of Foreign Languages and Literatures)

PRT 101-102. Introductory Portuguese (3-3) Emphasis on the acquisition of an active and useful command of the language. Intensive aural-oral practice with the study of grammatical structures along with the pursuit of a reading and writing ability. Discussions to introduce the students to the culture of the Portuguese-speaking areas of the world, primarily Brazil and Portugal.

PRT 201-202. Intermediate Portuguese (3-3) Prerequisite: PRT 102 or equivalent. A review of the grammatical structure of the language, application of the language in composition, conversation and readings.

Psychology Course Descriptions

(Department of Psychology)

PSY 105. General Psychology (3) Principles of psychology with emphasis on scientific methods used in studying human behavior.

PSY 110. Self-Management and Self-Motivation (3) Techniques and concepts to provide knowledge, skills, and attitudes to improve performance. Development in coping skills, including determination and modification of motivation, self-management and time-management skills, and efficient methods of learning and organizing materials and solving problems. (Not for social science general degree requirement or psychology major credit.)

PSY 145. Psychology Applied to Human Life (3) Psychological principles and findings as applied to particular fields of endeavor and to various stress situations. Primary emphasis on the problem of human adjustment.

PSY 210. Science and Pseudoscience (3) Prerequisite: PSY 105 and sophomore standing. Examination of bases for scientific and pseudoscientific claims to knowledge. Considers criteria for description and explanation in science; uses these criteria to demarcate between areas that are scientific and those whose claims to be scientific are questionable. Evaluates areas such as parapsychology and astrology. Emphasizes use of critical thinking skills.

PSY 216. Educational Psychology (3) Prerequisite: PSY 105 is suggested. Study of the application of psychological theories and principles in educational settings.

PSY 220. Child Psychology (3) Prerequisite: PSY 105. Human psychological development through childhood and early adolescence. Normal development is emphasized.

PSY 221. Adolescent Psychology (3) Prerequisite: PSY 105. Human psychological development from late childhood through adolescence. Normal development is emphasized.

PSY 223. Life Span Human Development (3) Prerequisite: PSY 105. Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual development are emphasized.

PSY 225. Introductory Statistics for the Behavioral Sciences (4) Prerequisite: PSY 105 and a "C" or better in MAT 111 or a higher level MAT course. Limited to students concentrating in psychology. Introduction to the statistical techniques most often used by behavioral scientists for either descriptive purposes or hypothesis testing. Parametric techniques are emphasized, but nonparametric tests are included. Three lecture and two laboratory hours each week.

PSY 245. Drugs and Behavior (3) Prerequisite: Three semester hours credit in psychology. Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

PSY 262. Psychology of Consciousness (3) Prerequisite: PSY 105. Mental processes which occur during various states of human consciousness such as sleep, biofeedback and meditation. Emphasis on the research and theories of brain processes during states of consciousness.

PSY 265. Human Sexual Behavior (3) Prerequisite: Three hours of psychology, excluding PSY 110. Psychological aspects of human sexuality with emphasis on psychosexual development and behavior. Includes discussion of causative factors and treatment of sexual disorders and deviations.

PSY 311. Psychology of Language (3) Prerequisite: PSY 105. An introduction to theory and research concerning human language use. Topics include the nature of human linguistic competence, the perception of speech, the comprehension of speech, memory for verbal information, the production of speech, and the biological basis of human language.

PSY 320. Psychology of Infancy and Early Childhood (3) Prerequisite: PSY 220 or 223. An in-depth examination of development from conception through kindergarten age. Both normal and a typical development are considered from a biopsychosocial perspective. Methodological and theoretical issues are emphasized.

PSY 322. Psychology of Exceptional Children (3) Prerequisite: PSY 105 and 220 or 223. Physical, cognitive, and personality characteristics of the major types of childhood excep-

tionality, including high intelligence and creativity, mental retardation, learning disabilities, emotional disorders, language impairments, and sensory and physical handicaps. Assessment, etiology, family relations, and treatment.

PSY 324. Psychology of Adulthood and Aging (3) Prerequisite: PSY 105, 223, or GRN 101. Human development from young adulthood through senescence. Emphasis on the interaction of psychological, psychosocial and physiological aspects of development.

PSY 336. Industrial Psychology (3) Prerequisite: PSY 105. Psychological techniques in personnel selection and placement, merit rating, reduction of accidents, training, morale, and other factors utilized in industrial work.

PSY 337. Psychology of Careers (3) Prerequisite: PSY 105 or consent of instructor. Individual career behavior and development. History of career psychology, theories of career development and choice, as well as stimulus, organismic, and response variables correlated with the choice process. Theories and research about career motivation and adjustment; prediction of success and satisfaction. Systems for defining career problems are included.

PSY 346. Psychology of Personality (3) Prerequisite: PSY 105. A study of the basic facts concerning the structure, organization, and adjustmental mechanisms of personality.

PSY 347. Psychopathology (3) Prerequisite: PSY 105. The study of behavioral pathology. Emphasis will be placed on the underlying factors of the neuroses, psychoses, and character disorders.

PSY 350. Principles of Behavioral Change (3) Prerequisite: PSY 105. Application of the principles of behavioral control in interpersonal, educational, and clinical settings. Emphasis on behavioral modification techniques such as contingency management, desensitization, biofeedback, etc.

PSY 352. Behavioral Medicine (3) Prerequisite: PSY 105 or 145. Integrates psychological and biomedical knowledge relevant to physical health and illness. Describes the interaction of psychological phenomena with the epidemiology, etiology, pathogenesis, treatment, and rehabilitation of physical disorders.

PSY 355. Introduction to Experimental Psychology (4) Prerequisite: PSY 225. Basic principles of psychological research design and evaluation, including techniques of data collection and analysis, and conduct, interpretation, and reporting of various types of psychological research. Experimental research is emphasized. Three lecture and three laboratory hours each week.

PSY 365. Social Psychology (3) Prerequisite: PSY 105. Individual human behavior as a function of the influence of other persons. Emphasis on the psychology of person perception, interpersonal communication and relationships, attitude formation and change, and small group behavior.

PSY 366. Psychology of Marriage and Family (3) Prerequisite: Three hours of psychology. Personality development within the marriage and family including recent theoretical and empirical findings on courtship, interpersonal attraction, marriage contract, and the various stages of the family life cycle. Communication, familial functioning and dysfunctioning are emphasized.

PSY 370. (EVS 370) Environmental Psychology (3) Prerequisite: PSY 105. Interactions between the physical environment and the behavior of the individual. Emphasis on perception of the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.

PSY 405. History and Systems of Psychology (3) Prerequisite: Fifteen semester hourcredit in psychology. History of psychology relative to current trends.

PSY 410. Cognitive Psychology (4) Prerequisite: PSY 355. Introduction to theories and research related to human cognition. Memory, attention, problem solving, and thinking are emphasized. Three lecture and three laboratory hours each week.

PSY 412. Sensation and Perception (4) Prerequisite: PSY 355. Survey of sensory and perceptual processes, techniques for measuring sensations and perceptions, and theories of perception. Psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world are examined. Demonstrations introduce students to interesting perceptual phenomena. Three lecture and three laboratory hours each week.

PSY 417. Psychology of Learning (4) Prerequisite: PSY 355. Study of the basic facts related to the learning process. Effects of reinforcement, extinction, generalization and discrimination, verbal learning and retention, as well as other phenomena, are considered. Three lecture and three laboratory hours each week.

PSY 418. Motivation and Emotion (3) Prerequisite: PSY 105 and BIO 105 or consent of instructor. Psychological theory and research in the areas of motivation and emotion. Basic as well as more complex motive states are examined as they arise from physiological needs and from learning and cognitive processes. Data from animal as well as human studies are considered.

PSY 425. Psychological Tests and Measurements (3) Prerequisite: PSY 105 and 225 or consent of instructor. Introduction to theory and practice of test construction, including a survey of intelligence, achievement and personality tests and their applications.

PSY 445. (545) Chemical Dependency (3) Prerequisite: PSY 245 and 355. Theory, method and research in the study of substance abuse. Advanced consideration of the causes, consequences and treatments of the major addictive disorders.

PSY 449. Psychology of Death (3) Prerequisite: PSY 105. Psychological aspects of death and dying. Conceptualizations of and behavior toward one's own demise. Emphasis on the behavioral context surrounding terminal illness, suicide, and homicide. Psychological aspects of gerontology also considered.

PSY 450. Introduction to Counseling (3) Prerequisite: PSY 346 or 347. The major historical and contemporary theories of counseling including Freudian, client-centered, behavioristic and existential are reviewed. Examination of each theory is accompanied by demonstration and role-play situations in which the elements of each theory are explored.

PSY 451. Supervised Counseling Practice (3) Prerequisite: PSY 346, 347 and 450 and consent of instructor. Supervision of student practice in application of counseling skills and techniques in a variety of in-service situations. Students participate in supervised counseling experiences in local social service agencies. Emphasis on practice of skills combined with regular consultation with the supervisor. May be repeated once for additional credit.

PSY 452. Ethical Principles in Psychology (1) Prerequisite: Permission of the instructor. Ethical considerations involved in counseling and psychotherapy, psychological testing, and the use of human subjects in research.

PSY 455. Advanced Psychological Research (3) Prerequisite: PSY 355 and consent of instructor. Experience in the design, conduct, and evaluation of psychological research. Advanced design and analysis techniques. Each student designs and conducts a research project and a laboratory exercise for PSY 355. Offered on demand.

PSY 456. Physiological Psychology (3) Prerequisite: PSY 105 and BIO 105 or consent of instructor. Anatomy of the nervous system and the roles which various neural structures play in the control of behavior.

PSY 457. Animal Behavior (3) Prerequisite: PSY 105 and BIO 105 or consent of instructor. Animal behavior including the traditional areas of ethology and comparative psychology. Primary emphasis is upon the similarities and differences in the behaviors of animals occupying various phylogenetic positions.

PSY 465. Community Psychology (3) Prerequisite: PSY 105. PSY 365 is suggested. Contributions of psychology to the understanding of an individual's behavior as influenced by the community environment. Emphasis on problems associated with community mental health.

PSY 470. Cross-Cultural Psychology (3) Prerequisite: PSY 105 and six additional hours of anthropology or psychology or consent of instructor. Cultural factors which influence human behavior. Psychological theory and research covering such topics as cultural effects on perception, cognition, life span development, mental illness, personality and language.

PSY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

PSY 495. Topical Seminar (1-3) Prerequisite: PSY 105 and consent of instructor. Discussion of selected topics in psychology. May be repeated for additional credit.

PSY 499. Honors Work in Psychology (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494; see explanations on p. 170, 111.

Parks and Recreation Course Descriptions

(Department of Health, Physical Education and Recreation)

REC 103. (PED 103) Physical Education/Recreation Activity Program of Outdoor Pursuits (3) Prerequisite : PED 101 or equivalent. Study of and participation in the skills and knowledge of various outdoor recreational activities in a natural setting. Minimum of 10 one-hour lecture sessions and a minimum of 11 excursion days. Travel and subsistence costs for activities borne by the student. (Non-majors may repeat PED 103, in a different activity area, only once.)

REC 265. Introduction to Recreation and Parks (3) Scope, development, structure, purposes, functions, interrelationships of public, commercial, private and voluntary agencies engaged in rendering recreation and park services.

REC 266. (PED 266) Applications of Computers in Health, Physical Education, and Recreation (2) Prerequisite: Consent of instructor. Computer applications in health, physical education, and recreation focusing on the skills necessary to solve professional problems in the field. No previous computing experience required. (Designed for majors.)

REC 270. Program Planning and Leadership (3) An introduction to recreation program planning and leadership, including organization, implementation and evaluation of leisure services. Includes group leadership techniques and assessment of leisure needs. Students plan, implement, and evaluate a variety of activities in and out of class.

REC 271. Camp Leadership and Management (3) Prerequisite: REC 265 or consent of instructor. Study of the segment of park and recreation programs involved with current camp practices, philosophy, leadership and management.

REC 280. Experiential Techniques for Interpreting Outdoor Recreation Resources (3) Prerequisite: REC 265. Techniques for interpreting natural and cultural resources to the visiting public in outdoor recreation settings. Focus is on the development of experiential program techniques and the use of written, visual, and audio-visual media to provide outdoor living skills, natural history, cultural heritage, and ecological concepts to the public.

REC 348. Field Experience in Recreation (3) Prerequisite: REC 265 and 270. Supervised experience in recreation and/or park setting. Relates theory to practical application in the field. Placements chosen from community, commercial, outdoor or therapeutic recreation settings. Requires a minimum of 60 hours of field work.

REC 350. Recreation and Commercial Enterprise (3) Prerequisite: REC 265 or consent of instructor. Identification, development, operation and impact of profit-oriented recreation enterprises. Investigation of customer service, feasibility studies, planning and development, financing, marketing and managerial requirements.

REC 351. Travel and Tourism (3) An introduction to the commercial area of the leisure field which is concerned with travel and tourism. Emphasis on travel motivation; economic, social, environmental and cultural impacts; and marketing and promotion of travel and tourism.

REC 352. Commercial Recreation and Tourism Entrepreneurship (3) Prerequisite: REC 265 or consent of instructor. Identification of market opportunities in the leisure industry. Evaluation of viability and feasibility, and organization of enterprises in pursuit of these opportunities. Opportunity search methods, sustainability analysis, and opportunity pursuit processes.

REC 359. (PED 359) Research and Evaluation in Health, Physical Education and Recreation (3) Methods of research in the fields of health, physical education and recreation. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

REC 360. Natural Resources Recreation Management (3) Prerequisite: REC 265 or declared EVS major or consent of instructor. The history, development, legislation and management of natural resource-based recreation areas. Management techniques used by federal, state and municipal recreation resource agencies highlighted

REC 361. History and Philosophy of Natural Resources Management (3) Development of natural resources management in the United States. Specific attention to historical development of natural resources management policy, and the philosophical stance of individuals who are instrumental in creation of those policies.

REC 366. Coastal Recreation Resource Management (3) Prerequisite: REC 360 or consent of instructor. An in-depth study of coastal legislation, resources, issues and management. Special attention is given to understanding recreation in the coastal zone, conflicts among competing coastal resource users, and current issues pertaining to North Carolina's coastal environment.

REC 367. The Arts and Recreation (3) Prerequisite: REC 265. Administrative problems involved in organizing quality cultural arts in recreation and parks departments and other leisure services agencies. Areas to be examined include financing, personnel, facilities, and equipment. Funding possibilities and relationships between the National Endowment for the Arts, state arts, state arts councils, local arts councils, and recreation and parks departments will also be studied.

REC 368. Introduction to Therapeutic Recreation (3) Prerequisite: REC 265 or consent of instructor. Therapeutic recreation service: its historical and professional development; characteristics and leisure needs of special populations it serves; settings for service delivery such as hospitals, residential care facilities, and communities.

REC 369. Therapeutic Recreation for the Aging (3) Prerequisite: REC 368 or GRN 101 or consent of instructor. Biological, sociological, and psychological aspects of aging as related to the planning and delivery of therapeutic recreation services for dependent and independent elderly.

REC 370. Therapeutic Recreation: Principles and Procedures (3) Prerequisite: REC 368. Specific attention to principles and practices of therapeutic recreation service. Topics include assessment; activity analysis; task analysis; activity, facility and equipment adaptations; risk management; standards of practice; facilitation techniques.

REC 375. Leisure Service Management (4) Prerequisite: REC 265 and REC 270. Principles and practices of contemporary leisure service management, particularly the effective and efficient management of market, manpower, money, materials, and machinery. Tutorials, case studies, and microcomputer applications. Three lecture and one laboratory hour each week.

REC 430. Managing Leisure Service Quality (3) Prerequisite: REC 375. Principles of managing and delivering leisure services by recreational organizations or agencies. Emphasis on how to build a service quality information system, formulate a service strategy, develop service personnel, and organize service delivery and recovery.

REC 440. Legal Issues in Recreation Services (3) Prerequisite: REC 375 or consent of instructor. Examination of legal and legislative issues affecting the leisure delivery system in governmental, quasi-public, private, commercial, and institutional settings. Topics include terminology, risk management procedures, ordinances, regulatory law, licensing, legal redress, and constitutional law at the national and state levels.

REC 450. Conflict Management in Recreation Leadership (3) Prerequisite: REC 375. An experiential approach to the study of conflict management in recreational leadership and administration. Emphasis on conflict resolution and conflict stimulation; individual and group conflict; and problem solving.

REC 465. Park Planning and Design (3) Prerequisite: REC 360. Basic principles of planning and developing recreation and park areas and facilities. Emphasis on land use, current planning practices and standards, and facility design.

REC 467. Leisure Education in Therapeutic Recreation (3) Prerequisite: REC 368 or consent of instructor. An overview of the leisure education process as an aspect of therapeutic recreation service delivery. The course encompasses a review of leisure education and strategies for the development, implementation, and evaluation of leisure education programs for persons with disabilities.

REC 468. Therapeutic Recreation: Program Planning and Implementation (3) Prerequisite: REC 467. Advanced course in programming therapeutic recreation services. Emphasis on systems planning of comprehensive and specific programs; evaluation; documentation; guidelines for administration of therapeutic recreation services; professional issues and trends.

REC 469 (PED 469). Research and Evaluation in Health, Physical Education and Recreation (3) Prerequisite: PED 355 or REC 375. Methods of research in the fields of health, physical education and recreation. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

REC 470. Advanced Natural Resource and Wildland Management (3) Prerequisite: REC 360 or consent of instructor. An in-depth study of natural resources legislation and management. Emphasis on historical and philosophical roots of wildland resource management in North America.

REC 480. Trends and Issues in Therapeutic Recreation (3) Prerequisite: REC 368. Contemporary topics in therapeutic recreation, including discussion of professional issues with therapeutic recreation specialists representing clinical, residential, and community settings.

REC 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

REC 495. Seminar in Recreation (3) Prerequisite: REC 375. A culmination of study in the field of recreation. Discussion of selected topics concerning current issues and trends in the profession.

REC 498. Internship in Leisure Services (6) Prerequisite: Senior standing and completion of all other recreation courses required for the major. A progression of professional field experience, practical experience involving program planning, and administrative procedures in public, private, commercial, institutional or nonprofit settings. (A minimum of 440 hours of field work is required).

REC 499. Honors Work in Recreation (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Science, the Humanities and Society Course Description

(College of Arts and Sciences)

SHS 110. Introduction to Science, the Humanities and Society (3) An introduction to the interrelationships between science, technology, humanities, and society. Topics include interdisciplinary approaches of history and philosophy to how and why scientific research is done, the impact of science on society and of society on science, and contemporary issues.

Sociology Course Descriptions

(Department of Sociology and Anthropology)

SOC 105. Introduction to Sociology (3) Introduction to the scientific study of human society and social behavior.

SOC 110. Sociology in Contemporary Life (3) An introductory level course designed to enable students to think about and interpret the social world and events around them. Emphasis will be placed on discovering your social self, understanding social interaction, and interpreting the relationship of the individual with modern industrial society.

SOC 200. Sociology of Sport (3) A sociological examination of the rise of sport in contemporary society. Topics such as the social organization of sports, women and sports, sports and violence, inter-scholastic sports and achievement behavior, discrimination and sports, and the future of sports are covered.

SOC 205. (ANT 205) Human Societies (3) The comparative study of human society and culture with selected ethnographic examples to illustrate human adaptation to specific

environments and reveal patterns of major social institutions—economy, marriage and kinship, politics and religion—which underlie and support a particular way of life. Comparisons are drawn among hunter-gatherer, tribal horticultural, peasant and modern industrial societies. Perspectives on the dynamic of social process and cultural change are also introduced.

SOC 215. Modern Social Problems (3) Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

SOC 220. Sociology of Birth and Death (3) The examination of the sociological dimensions of "human entry and exit." The social organizational and cultural dimensions of birth and death will be considered in terms of rites of passage, bureaucratizations, social movements, cultural differences, and historical and contemporary contexts.

SOC 230. (ANT 230) Utopian and Communal Societies (3) A theoretical and descriptive analysis of "intentional" communities and social systems. Coverage of earliest utopian experiments and modern rural and urban communes. Communities are viewed in terms of their origin and purpose, ideology, subsistence, social patterns, relations with the outside world, and survival.

SOC 301. Sociological Data Analysis and Interpretation (3) Prerequisite: SOC 105. Computer entry and management of social science data programming techniques with a statistical programming language and univariate and bivariate analyses using instructor-provided data.

SOC 302. Methods of Social Research (3) Prerequisite: SOC 301. Introduction to the logic and methods of sociological research. Topics include the connections between theory and research, problem formulation and research design, conceptualization and measurement, sampling, modes of observation and analysis, ethical issues, and the political context of research.

SOC 303. Mass Media and Society (3) Prerequisite: SOC 105. The relationship between mass media, culture, and society with special emphasis on the social, political, and economic contexts of the mass media. Media examined include television, the press, films, popular music, and the electronic superhighway.

SOC 304. Popular Culture (3) Prerequisite: SOC 105. Sociological analysis of popular forms of everyday life in America: fashion, fads, entertainment trends, advertising, television programming, music, myths, sterotypes, and icons of mass-mediated culture.

SOC 305. Population (3) Prerequisite: SOC 105. A study of the changes in size, composition, distribution of population and the dynamics underlying them.

SOC 315. Urban Sociology (3) Prerequisite: SOC 105. Analysis of the history and development, social organization, and problems of the city.

SOC 325. Racial and Ethnic Group Relations (3) Prerequisite: SOC 105. An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

SOC 326. Collective Behavior and Social Movements (3) Prerequisite: SOC 105. Analysis of social behavior that breaks from existing patterns and expectations, such as riots, crowds, revolution, and social movements.

SOC 335. The Sociology of Deviant Behavior (3) Prerequisite: SOC 105. The analysis of certain behavior in terms of deviations from norms; the application of sociological and psychological concepts and theory to deviant behavior, and the critical evaluation of non-sociological research and theories.

SOC 336. Sociology of Aging (3) Prerequisite: SOC 105 or GRN 101. Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

SOC 337. Medical Sociology (3) Prerequisite: SOC 105. A sociocultural analysis of the general area of health and illness. Emphasis is given to understanding the distribution of health and illness in the United States and its impact on the patient status. The course includes a discussion of the organization and use of health care services from a sociological perspective.

SOC 340. Organizations in Modern Society (3) Prerequisite: SOC 105. An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

SOC 344. The Sociology of Politics (3) Prerequisite: SOC 105 or PLS 101. Examines political institutions and political behavior from a sociological perspective. Topics include the social and economic origins of political behavior; the organization and distribution of political power and its effects on society, politics and social change.

SOC 345. Sociology of the Family (3) Prerequisite: SOC 105. Origin and development of the family as a social institution from an historical and comparative approach; analysis of forms and functions of the family; socialization, mate selection, procreation.

SOC 346. Sociology of Religion (3) Prerequisite: SOC 105. An analysis of the structure, function and process of religion, emphasizing the reciprocal relation of religion and cultural and religious differentiation and institutionalization.

SOC 347. Sociology of Education (3) Prerequisite: SOC 105. Historical-comparative sociological analysis of formal education systems in modern societies. Examination of sociological theories of education as they apply to political economy, stratification, social selection, cultural reproduction, and social change.

SOC 348. Sociology of Leisure and the Arts (3) Prerequisite: SOC 105. This course surveys existing theory and research with respect to the concept of leisure. Specific attention is devoted to sociological analyses of trends, differentials, and time expenditures which population categories exhibit in recreational, sporting, and arts activities.

SOC 349. Sociology of Children and Childhood (3) Prerequisite: SOC 105. Sociological theory and methods related to children and childhood from infancy to early adolescence. Topics include the social construction of childhood; child development and socialization; race, class, and gender in childhood; and social problems affecting children.

SOC 350. Gender and Society (3) Prerequisite: SOC 105. Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

SOC 355. Criminology (3) Prerequisite: SOC 105. The nature, variation and causes of crime are studied as aspects of the American culture.

SOC 360. Social Theory (3) Prerequisite: SOC 105 and six additional hours in sociology. An introduction to major theoretical perspectives in sociology including functional theory; conflict theory; exchange theory; interactionist theory; and structural theory.

SOC 365. Social Psychology (3) Prerequisite: SOC 105. A sociological analysis of human social interaction. Topics include symbolic interaction, socialization, interpersonal relations. Focus is on social and cultural influences on individual and group behavior.

SOC 366. Social Change (3) Prerequisite: SOC 105. The study of social and cultural change in community and society with emphasis upon the rate and degree of change, direction of change, mechanism of change, and planning of change.

SOC 375. Juvenile Delinquency (3) Prerequisite: SOC 105. The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

SOC 380. Social Classes (3) Prerequisite: SOC 105. Examination of social stratification as the system of distribution of privilege, power and prestige in modern and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

SOC 406. Advanced Social Research Methods (3) Prerequisite: SOC 302. A study of the social survey research process: problem formulation, literature review, instrument development, sample determination, data collection, statistical analysis, and report writing. Requirements include individual research proposals and a class research project.

SOC 411. (PLS 411) Techniques of Public Opinion Polling (3) Prerequisite: PLS 211 or SOC 301 or consent of instructor. Basic skills in all phases of public opinion polling: issue focus; questionnaire construction; sample selection; interview techniques; elementary data analysis; interpretation and presentation of results. Opinion polls of current political and social issues conducted as class projects to develop these skills.

SOC 416. Human Ecology (3) Prerequisite: SOC 105 and six additional hours in sociology. A theory of community structure based on societal evolution as shown through the referential concepts of population, organization, environment and technology. An analysis of the spatial, temporal, functional and relational configuration of human communities.

SOC 433. Sociology of Mental Illness (3) Prerequisite: SOC 105. Sociological theories of and social responses to mental illness. History and analysis of mental health systems.

SOC 438. Social Epidemiology (3) Prerequisite: SOC 105 or consent of instructor. Methods and substance of social epidemiology; demographics of illness in American society. Case studies linking environmental and behavioral variables to disease incidence examined. Specific attention to the social response to AIDS and other communicable diseases.

SOC 449. Sociology of Law (3) Prerequisite: SOC 105 and junior/senior standing. An analysis of the role of law in society. Special emphasis will be given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. The concept of justice will also be analyzed. Law will be viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

SOC 460. Advanced Social Theory (3) Prerequisite: SOC 360. An examination of special topics in social theory with emphasis on the most recent developments. Topics include the sociology of knowledge and theory construction.

SOC 485. The Community (3) Prerequisite: SOC 105. Structure, process, and change in modern communities. Topics include analysis of the concept of community; the community as a social system; major community functions; relationships between the community and larger society; community stratification, power structure and organization.

SOC 486. Sociology of Work and Occupations (3) Prerequisite: SOC 105 and three additional hours in sociology or economics. Analysis of the place of work in society. Examines occupational structures as the primary link between persons and the larger society. Topics include the growth and development of occupational structure, occupations and technological change, and organizational complexity.

SOC 490. Senior Project (3) Prerequisite: SOC 302 and senior status. Pre-or corequisite: SOC 406. An independent project using sociological theory and methods to address a topic chosen by the student in conjunction with a faculty sponsor. (Students must complete a "memorandum of understanding" in the semester prior to the course).

SOC 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

SOC 495. Topical Seminar (1-3) Prerequisite: SOC 105 and consent of instructor. Discussion of selected topics in sociology. May be repeated under a different subtitle.

SOC 499. Honors Work in Sociology (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Spanish Course Descriptions

(Department of Foreign Languages and Literatures)

SPN 101-102. Introductory Spanish (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Spanish; reading, writing and basic conversation. (For students with one year or less of high school Spanish.)

SPN 103-104. Introductory Spanish; Business Emphasis (3-3) Emphasis on achievement of an active command of the language spoken in the Hispanic world, with some emphasis on business vocabulary and protocols. Intensive study of the basic patterns of spoken Spanish, commercial practices and cultural concepts of the Spanish-speaking countries; reading, writing, and basic conversation. (SPN 103: Not open to students who have completed SPN 101, 102, or 120. SPN 104: Not open to students who have completed SPN 102 or 120.)

SPN 105. Spanish for Travelers (3) General interest course, but designed specifically for those planning to travel in a Spanish-speaking country. Emphasis on practical communication, current vocabulary and colloquial expressions. Realia and audio-visual aids used extensively. Course may be structured to answer specific individual needs.

SPN 120. Fundamentals of Spanish (3) Prerequisite: Two years of high school Spanish or appropriate department placement test score. A fast-paced approach to the achievement of a basic active command of the language. Aural-oral practice: intensive study of the fundamental structure of the language; reading, writing and basic conversation.

SPN 201-202. Intermediate Spanish (3-3) Prerequisite: SPN 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

SPN 203. Intermediate Spanish: Reading (3) Prerequisite/corequisite: SPN 202 or equivalent. Emphasis on reading (fiction and non-fiction) with the goals of applying effective reading techniques and strategies, increasing vocabulary, and improving general reading and oral communication skills.

SPN 209. Spanish Literature in Translation: Topics (3) Study of representative works from the literature of Spain. Reading and class discussions in English. May be repeated under a different subtitle.

SPN 210. Spanish-American Literature in Translation: Topics (3) Study of representative works from the literature of Spanish America. Readings and class discussion in English. May be repeated under a different subtitle.

SPN 211. Spain Today (3) An examination of the institutions and social fabric of contemporary Spain as they evolved from traditional roots, including units on history, politics, regional culture, literature, music, art, customs and economic resources. Readings and class discussions in English.

SPN 212. Latin America Today (3) An examination of the institutions and social fabric of contemporary Latin America as they evolved from traditional roots, including units on history, politics, indigenous cultures, literature, music, art customs, and economic resources. Readings and class discussions in English.

SPN 304. Business Spanish (3) Prerequisite: SPN 202 or equivalent. Designed for students who need familiarization with the terminology necessary for the fields of economics, business, accounting, natural sciences and others. Business correspondence in Spanish and the currency systems of the Spanish-speaking countries are included.

SPN 305. Conversation and Composition (3) Prerequisite: SPN 202 or equivalent. Intensive training in spoken and written Spanish.

SPN 306. Advanced Grammar (3) Prerequisite: SPN 202 or equivalent. Grammatical forms and usage.

SPN 307. Phonetics (3) Prerequisite: SPN 202 or equivalent. Various speech phenomena; practice in phonetic transcription, pronunciation, and intonation.

SPN 308. Hispanic Linguistics (3) Prerequisite: SPN 307 or equivalent. An introduction to Hispanic phonology, morphology, syntax, dialectology, bilingualism, and sociolinguistics.

SPN 309. Tecnologías de la Información (3) Prerequisite: SPN 305. Creation and editing of documents in Spanish using work-processing, drawing and spreadsheet modules if an integrated computer application; videographic skill; Hispanic resources on the Internet and shortwave broadcasts.

SPN 311. Spanish Civilization (3) Prerequisite: SPN 202 and 203 or equivalent. Geographical, historical and cultural aspects of Spain.

SPN 312. Spanish-American Civilization (3) Prerequisite: SPN 202 and 203 or equivalent. Geographical, historical, and cultural aspects of Spanish America.

SPN 321. Introduction to Spanish Literature (3) Prerequisite: SPN 202 and 203 or equivalent. Selected readings covering the main currents of Spanish literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

SPN 322. Introduction to Spanish-American Literature (3) Prerequisite: SPN 202 and 203 or equivalent. Selected readings covering the main currents of Spanish-American Literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

SPN 401. Translation Techniques and Practices (3) Prerequisites: Native or near-native command of written English; SPN 203, SPN 306 and one additional Spanish course at 300 level or above. Translation of various kinds of texts and documents. Practical application of translation theory and development of strategies for solving predictable translation problems.

SPN 405. Advanced Conversation and Composition (3) Prerequisite: SPN 305 or equivalent. Emphasis on spoken Spanish and essay writing.

SPN 411. Topics in Spanish Civilization (3) Prerequisite: SPN 311 or equivalent. Advanced study in geographical, historical, and cultural aspects of Spain. Topics will focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

SPN 412. Topics in Spanish-American Civilization (3) Prerequisite: SPN 312 or equivalent. Advanced study in geographical, historical, and cultural aspects of Spanish America. Topics will focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

SPN 421. Studies in Spanish Literature (3) Prerequisite: SPN 321 or equivalent. Study of representative Spanish authors, literary movements, and genres. May be repeated under a different subtitle.

SPN 422. Studies in Spanish-American Literature (3) Prerequisite: SPN 322 or equivalent. Study of representative Spanish-American authors, literary movements, and genres. May be repeated under a different subtitle.

SPN 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

SPN 495. Seminar in Hispanic Studies (1-3) Prerequisite: SPN 321 or 322 or equivalent. Cooperative study of a selected topic under the direction of departmental faculty. Research, informal presentations, reports, discussion. May be repeated under a different subtitle.

SPN 498. Internship in Spanish (3 or 6) Prerequisite: Junior standing and consent of instructor. A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

SPN 499. Honors Work in Spanish (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Statistics Course Descriptions

(Department of Mathematical Sciences)

STT 205. Introduction to Statistics with Applications in the Social Sciences (3) Prerequisite: MAT 101, 111, or 115. (Designed for students majoring in the social sciences.) Graphical and numerical methods for univariate data; bivariate data organization and measures of association; contingency table analysis; sampling distributions; estimation and hypothesis testing; introduction to linear regression and correlation.

STT 210. Introduction to Statistics with Applications in the Health Sciences (3) Prerequisite: MAT 111. Collection, tabulation and graphical representation of data. Measures of location and variation, measures of association and chi-squared distribution, correlation and regression, binomial, Poisson and normal distributions, estimation and tests of hypotheses. Health care statistics, elementary computer skills in analysis of data and interpretation of computer printout.

STT 215. Introduction to Statistics with Applications in the Natural Sciences (3) Prerequisite: MAT 111 or 115. (Designed for students majoring in the natural sciences.) Graphical and numerical descriptive methods; random variables and probability distributions; estimation and hypothesis testing (large and small samples); linear regression and correlation; one-way analysis of variance; contingency tables and goodness of fit.

STT 262. Introduction to Probability and Statistics I (3) Prerequisite: MAT 151 or 161. Introduction to descriptive statistics, random variables and probability distributions. Topics include descriptive statistics, data collection, graphical methods, measures of location, measures of dispersion; sample spaces, probability rules, conditional probability, Bayes' theorem; discrete and continuous random variables, probability distributions, mathematical expectation, Tchebyshev's theorem; common discrete and continuous probability distributions with applications.

STT 305. Statistics in Practice (3) Prerequisite: An introductory statistics course from any department. The approaches and techniques used in the current practice of statistics. Topics include exploratory and confirmatory analyses; interactive graphical data analysis using modern statistical software. No previous computer experience required.

STT 350. Survey Sampling (3) Prerequisite: An introductory statistics course from any department. Elementary survey sampling on the design and analysis of sample surveys. Topics include design of questionnaires; methods of data collection; sample-survey designs including simple random sampling, stratified sampling, cluster sampling, and systematic sampling; ratio and regression estimation; two-stage cluster sampling; sampling from wildlife populations; sources of errors.

STT 362. Introduction to Probability and Statistics II (3) Prerequisite: STT 262 and MAT 152 or 162. Introduction to statistical inference. Topics include joint, conditional and marginal distributions; covariance; functions of random variables, moment generating functions, sampling distributions, central limit theorem; point and interval estimation; hypothesis testing; contingency tables and goodness of fit test.

STT 411. (511) Design of Experiments and Analysis of Variance (3) Prerequisite: Any elementary statistics course. Review of elementary statistics; design of experiments including completely randomized, randomized block, factorial, split-plot, and repeated measures designs; analysis of variance; non-parametric alternative methods of analysis. Statistical software packages will be used as appropriate in problem solving.

STT 412. (512) Applied Regression and Correlation (3) Prerequisite: Any elementary statistics course. Review of elementary statistics; linear and multiple regression; correlation. Statistical software packages will be used as appropriate in problem solving.

STT 430. (530) Introduction to Non-Parametric Statistics (3) Prerequisite: STT 362. Theory and methods of non-parametric statistics in the one- and two-sample problems and their comparisons with standard parametric procedures. Non-parametric tests for comparing more than two samples; tests of randomness and independence.

STT 440. (540) Linear Models and Regression Analysis (3) Prerequisite: MAT 261 and 335 and STT 362. Theoretical introduction to the general linear model and it application to simple linear regression and multiple regression. Estimation and hypothesis testing of model coefficients; residual analysis; analysis of covariance.

STT 465. (565; MAT 465/565) Applied Probability (3) Prerequisite: MAT 261 and STT 362. The formulation, analysis and interpretation of probabilistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.

STT 466-467. (566-567) Mathematical Statistics (3-3) Prerequisite: MAT 261 and STT 362. A rigorous introduction to mathematical statistics. Univariate and multivariate probability distributions; conditional and marginal distributions; theory of estimation and hypothesis testing; limiting distributions and the central limit theorem; sufficient statistics and the exponential class of probability density functions.

STT 475. Topics in Statistics (3) Prerequisite: Senior standing or permission of instructor. Topics of current interest in statistics not covered in existing courses. May be repeated under a different subtitle.

STT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, at least a 3.00 average on all mathematical sciences courses taken, junior or senior standing, and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

STT 499. Honors Work in Statistics (2-3) Prerequisite: Eligibility for honors program. Individual study for honors students.

Social Work Course Descriptions

(Department of Sociology and Anthropology)

SWK 235. Introduction to the Social Welfare System (3) The social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.

SWK 240. Basic Working Relationship Skills (3) Prerequisite: SWK 235 and corequisite: SWK 320. Multi-cultural working relationship skills for relationship-building, interviewing, problem identification, intervention and termination in generalist practice. Process recording, case assessment, summaries, and social work ethics and values will be covered.

SWK 306-307. Research Methods for Social Work Practice (3) Prerequisite: SWK 235. 306: Research methodologies in social work practice: client-centered research questions, theoretical frameworks, research designs, sampling, data collection, analysis and report writing. 307: Program and practice evaluation: designs, applications and ethical considerations.

SWK 310. Programs and Policies for Older Americans (3) Prerequisite: SWK 235 or GRN 101. Health, social, and income needs of an aging population will be related to current laws, programs, administrative networks, and politics. Current issues in the development of programs such as age-integration, community-based services, advocacy and protection will be covered.

SWK 311. Child Abuse and Neglect (3) Prerequisite: SWK 235. Current issues, national trends, and effective practice strategies. The continuum of child-welfare services needed to ensure child well-being including family preservation, child protection, permanency planning, residential care and adoption.

SWK 315. Issues for Social Workers in Mental Health (3) Prerequisite: SWK 235. Concepts of mental health and practice in social context. Managed care, models of practice, rural community mental health, and future directions in community health, all considered in a multicultural perspective.

SWK 316. Generalist Social Work in Rural Communities (3) Prerequisite: SWK 235. A survey of rural community life, its institutions, value systems, customs, and their implications for social work practice. Issues dealing with migrant workers and Native American cultures.

SWK 318. Social Work and Health Care Delivery (3) Prerequisite: SWK 235. An examination of the rationale, issues, problems and practices related to the implementation of client-centered health care. New programs and proposals for the delivery of health services will be reviewed systematically with reference to the implications for social work practice.

SWK 320-321. Human Behavior in the Social Environment I and II (3-3) Prerequisite: SWK 235, PSY 105, and either BIO 105 or 240. Perspectives on human development and behavior in diverse contexts, including: ,culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. 320: prenatal through adolescence. 321: young adulthood through death.

SWK 341. Generalist Social Work Practice with Individuals and Families (3) Prerequisite: SWK 240. Methods and models of the social work process in diverse populations, settings, and social conditions. Basic problem-solving, advocacy, case management, and crisis intervention.

SWK 355. Working with At-Risk Populations (3) Prerequisite: SWK 235. Values, biases, and prejudices which produce personal and social vulnerability. Consequences in the lives of people of color, women, the poor, gays and lesbians, and others.

SWK 435. Social Welfare Policies (3) Prerequisite: PLS 101 and SWK 235. Corequisite: SWK 496. Social, cultural, economic, and political influences on the social welfare system. Policy-making, program development and planning.

SWK 442. Generalist Social Work Practice with Groups (3) Prerequisite: SWK 341. Basic group dynamics applied to task and treatment groups. Skills necessary to work effectively with groups and decision-making approaches that empower diverse peoples.

SWK 443. Social Work Practice with Communities and Organizations (3) Prerequisite: SWK 442 and corequisite: SWK 496 or 497. Knowledge, values, and skills common to social work practice at the community and organizational levels. Principles of social planning, community development, and social action. Topics include needs assessment, program planning and development, organizational change and program evaluation.

SWK 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

SWK 495. Topical Seminar (1-3) Prerequisite: SOC 105, SWK 235 and consent of instructor. Discussion of selected topics in social work. May be repeated under a different subtitle.

SWK 496, 497. Field Practicum I, II (6-6) Prerequisite: SWK 235, SWK 321, SWK 341, SWK 306 and consent of instructor. Development and application of skills used in social work practice. Supervision of student field experience in a community social service setting. Analysis and discussion of field experiences in a series of field seminars to be arranged by the field liaison. (A minimum of 480 hours of field work is required.)

For 292 and 492; 294 and 494, see explanations on p. 170, 111.

Theatre Course Descriptions

(Department of Art and Theatre)

THR 130. Improvisation (3) Exploration of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance.

THR 201. Technical Production I (3) Basic principles of scenic material and equipment. Use of material, methods of construction, and handling of scenery and properties. One lecture and six laboratory hours per week. Participation in University Theatre productions required.

THR 202. Technical Production II (3) Prerequisite: THR 201 or consent of instructor. Practical training in shop organization and technical production, plus basic principles of theatrical graphics. Two lecture and four laboratory hours each week. Participation in University Theatre productions required.

THR 205. Stage Make-up (2) Theory and practice in the application of make-up for theatrical performances. Four laboratory hours each week.

THR 206. Costume History and Construction (3) An examination of major historical costume styles. The student also will learn basic costume construction techniques, applying those techniques to individual projects as well as to the costumes for departmental productions. Two lecture hours and three laboratory hours per week.

THR 210. Introduction to Theatre Design (3) Theatre design with emphasis on basic design practices and aesthetics. Beginning exercises in scene, costume, and lighting design. Selected designers from past and contemporary theatre.

THR 221. Introduction to the Theatre (3) Appreciation of theatre through an understanding of its artistic elements, history, dramatic literature, and audience involvement.

THR 225. History and Appreciation of Film (3) A survey through film of the development of motion picture from its primitive beginnings to the advent of sound film. A visual illustration of the basic aesthetic principles controlling film as art.

THR 230. Acting for Non-Majors (3) An introduction to basic acting techniques for non-majors.

THR 231. Acting I: Introduction for Theatre Majors (4) Prerequisite: Consent of instructor. Fundamental techniques of acting.

THR 232. Acting II: Intermediate (4) Prerequisite: THR 231 or consent of instructor. Continuation of Acting I with increased emphasis on individual growth, creative development, and scene study and performance. Three lecture hours and two and one-half laboratory hours each week.

THR 241. Theatre Practice: Publicity and Box Office (1) Structured involvement in theatre production preparation. Hands-on exposure to the areas of publicity and front-of-house functions. Running crew participation for UNCW University Theatre productions required. Six laboratory hours per week.

THR 242. Theatre Practice: Scenery and Properties (1) Structured involvement in theatre production preparation. Hands-on exposure to the areas of scenery construction, painting, and properties procurement. Running crew participation for UNCW University Theatre productions required. Six laboratory hours per week.

THR 243. Theatre Practice: Costumes and Makeup (1) Structured involvement in theatre production preparation. Hands-on exposure to the areas of costuming and makeup. Running crew participation for UNCW University Theatre productions required. Six laboratory hours per week.

THR 244. Theatre Practice: Lighting and Sound (1) Structured involvement in theatre production preparation. Hands-on exposure to the areas of lighting and sound. Running crew participation for UNCW University Theatre productions required. Six laboratory hours per week.

THR 245. Advanced Theatre Practice (1) Prerequisites: THR 241 or 242 or 243 or 244 or consent of instructor. Advanced involvement in theatre production preparation. Chosen area of participation subject to instructor's approval. Running crew participation for UNCW University Theatre productions required. May be repeated once for credit. Six laboratory hours per week.

THR 301. Movement for the Actor (3) Prerequisite: Theatre major or consent of instructor. Introduction to body work in acting.

THR 302. Voice for the Actor (3) Prerequisite: Theatre major or consent of instructor. intensive study of the speaking vocal instrument for stage and screen.

THR 305. Scenic Design (3) Prerequisite: THR 202 or consent of instructor. Play interpretation through the scenic elements. Problems in theatre graphics, techniques application, script interpretation, scenic design and style. Two class hours and two laboratory hours each week.

THR 306. Stage Lighting (3) Prerequisite: THR 202 or consent of instructor. Basic techniques of theatrical lighting. Includes fundamentals of electricity, lighting equipment, the use of color, and the basic principles of design. Two lecture and two laboratory hours each week. Participation in University Theatre productions required.

THR 307. Theatre Management (3) Course focuses on various aspects of management: publicity, business management, public relations, and house management.

THR 308. Costume Design (3) Prerequisite: THR 206. Principles and elements in theatrical design applied to stage costume. Play interpretation through costume design; problems in period plays, theatrical styles, and directorial concepts. Two lecture hours and two laboratory hours per week.

THR 309. Rendering Techniques (3) Prerequisite: THR 210 or consent of instructor. Learning and practice of theatrical rendering techniques in costume and scene design with use of mixed media. Focus on basic skills of figure drawing, perspective, drapery, and rendering styles.

THR 316. (ENG 316) Playwriting I (3) Prerequisite: ENG 102. Analysis of one-act plays and their construction; the writing of an original one-act play required.

THR 321. Theatre History I (3) Theatrical contributions to dramatic literature from fifth century B.C. Classical Greece to late seventeenth century French Classicism. Emphasis on play reading and theatre production styles as related to changes in society.

THR 322. Theatre History II (3) Theatrical contributions to dramatic literature from the late seventeenth century English Restoration to World War II. Emphasis on play reading and theatre production style as related to changes in society.

THR 333. Acting III: Advanced (3) Prerequisite: THR 232 or consent of instructor. Preparation for performance and individual character study for the advanced student of acting.

THR 355. Directing I (3) Fundamental principles of directing with emphasis on one-act productions.

THR 425. Aesthetics of Film (3) A study of the various forms and content of film as controlled by the film director. The theoretical aspects of film as a work of art. Two class hours and two laboratory hours each week.

THR 445. (ENG 445) Playwriting II (3) Prerequisite: THR 316 (ENG 316) or permission of instructor. Advanced techniques of playwriting with an emphasis on full-length plays; the writing of an original full-length play.

THR 455. Directing II (3) Prerequisite: THR 355. Advanced techniques in the direction of plays for the stage.

THR 461, 462. Seminar in Dramatic Theory (3,3) Prerequisite: Senior standing or consent of instructor. Growth and results of dramatic theory on theatre. 461: Aristotle to Romantic Period. 462: Ibsen to the present.

THR 485. Senior Project (3) Every major may choose an area in theatre for a senior project. The proposal for planning and executing a public presentation in the chosen area must be submitted to the faculty of the Department of Fine Arts for approval prior to the semester during which the project will be attempted.

THR 486. Senior Seminar (3) Prerequisite: Senior standing in theatre. A comprehensive assessment and synthesis of the student's four-year experience as a theatre major in preparation for employment or continued study. Preparation of portfolio and scenes.

THR 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

THR 495. Theatre Seminars (1-3) Consideration of special subjects not covered in regular course offerings. More than one topic may be taken for credit.

THR 498. Internship in Theatre (3 or 6) Prerequisite: Junior or Senior standing, and permission of chair. Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

THR 499. Honors Work in Theatre (2-3) Prerequisite: Senior standing. Independent study for honors students.

For 292 and 492; 294 and 494 see explanation on p. 170, 111.

University Studies Course Descriptions

(Student Academic Support Programs)

UNI 101. Freshman Seminar (2) A seminar course designed to integrate freshmen into the university community. Explores faculty and student roles, goals of liberal arts learning, academic ethics, and application of effective strategies for time management, study skills, critical thinking, public speaking, electronic communication, and career selection. Emphasis on the development of a mentor relationship between instructor and students.

UNI 102. Library Literacy (1) Concepts and methodology for developing library search strategies; locating, selecting, and evaluating relevant information resources. One lecture hour per week.

UNI 103. The Electronic Library (1) Concepts and methodology of electronic information resources. Government and commercial CD-ROM databases, remote databases and Internet resources.

Special Academic Centers

SPECIAL ACADEMIC CENTERS

CENTER FOR BUSINESS AND ECONOMICS SERVICES

The Center for Business and Economics Services in the Cameron School of Business at the University of North Carolina at Wilmington is the business research/extension division in the business school. Center staff provide research services and sponsor seminars to provide technical assistance in regional economic development and prepare individuals to develop further their managerial, technical, and personal capabilities. The center publishes the Carolina Coast Business Review twice a year.

CENTER FOR MARINE SCIENCE RESEARCH

The Center for Marine Science Research at the University of North Carolina at Wilmington is dedicated to providing an environment that fosters a multidisciplinary approach to questions in basic marine research. The mission of the center is to promote basic and applied research in the fields of oceanography, coastal and wetland studies, marine biomedical and environmental physiology, and marine biotechnology and aquaculture. Faculty members conducting marine science research in the departments of biological sciences, chemistry, earth sciences and physics participate in this program.

The center fosters research programs of the highest quality and thereby enhances the educational experience provided by the University of North Carolina at Wilmington for both undergraduate and graduate students in marine science.

The center's primary facilities are located on a four-acre tract near the Intracoastal Waterway at Wrightsville Beach. Encompassing 20,000 square feet, these facilities house fifteen research laboratories, various science and administrative offices, a video equipment/editing room, a fully equipped machine tool shop, an aquatic specimens holding room, and a seminar/conference room. Additional laboratory space is available for research requiring constant flow-through seawater.

The center maintains 10 research vessels ranging in size from thirteen to twenty-nine feet and specialized equipment including a Superphantom Remotely Operated Vehicle (ROV), an ocean environmental sampler (SBE-CTD), and an extensive microscopy capability including transmission and scanning electron, inverted, phase-contract, and confocal tandem scanning.

The Center for Marine Science Research serves as host for the NOAA sponsored National Undersea Research Center for the Southeastern United States. Based upon competitive proposals, NURC annually supports fisheries management, ocean floor processes, and other research projects from the Gulf of Maine to the Gulf of Mexico.

The headquarters for the North Carolina National Estuarine Research Reserve is located at the Center for Marine Science Research through a cooperative agreement with the N.C. Division of Coastal Management. The NCNERR Program manages four estuarine reserve sites as natural laboratories and coordinates research and education activities. The four sites, Zeke's Island, Rachel Carson Island, Currituck Banks, and Masonboro Island represent biologically diverse, highly productive estuarine systems composed of uplands, intertidal wetlands, and open waters.

SCIENCE AND MATHEMATICS EDUCATION CENTER

The Science and Mathematics Education Center at UNCW is a member of the University of North Carolina Mathematics and Science Education Network. The center offers a wide range of professional development programs in the areas of mathematics, science and technology for inservice elementary-, middle-, and high-school teachers. Through center sponsored seminars, workshops, and courses, teachers can achieve initial certification in science or mathematics and renew existing certificates.

Information concerning upcoming programs may be obtained by contacting the Science and Mathematics Education Center.

CENTER FOR TEACHING EXCELLENCE

The mission of the Center for Teaching Excellence is to help UNCW faculty and other instructional staff develop outstanding educational programs. Examples of the center's services are:

1) summer salary support for course development,
2) development and support for a graduate level course, "Teaching at UNCW," for graduate teaching assistants and part-time faculty,
3) assistance with course design and student assessment,
4) technical assistance for implementing instructional technologies,
5) funds for testing new or improved programs,
6) faculty seminars and workshops to discuss issues related to teaching and learning,
7) active involvement in the North Carolina Colloquy for University Teaching, whose members come from all 16 campuses in the university-system,
8) orientation luncheon for new faculty, and
9) publication of a newsletter, the CTE Forum.

Programs and activities of the center are designed to promote excellence in teaching among all faculty, graduate teaching assistants, and others who have instructional responsibilities.

Contact the director of the Center for Teaching Excellence for information on upcoming programs and to suggest future programs.

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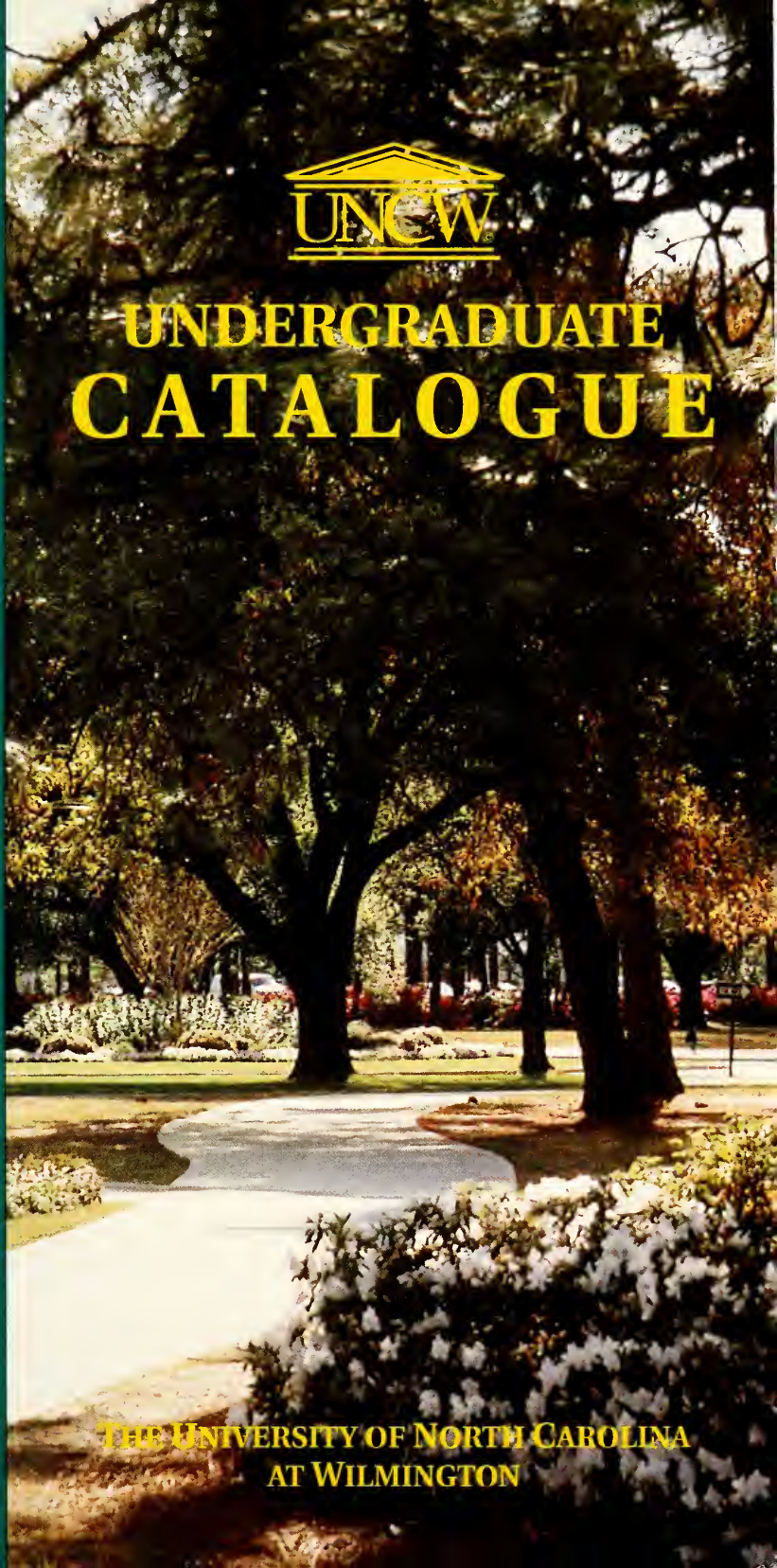

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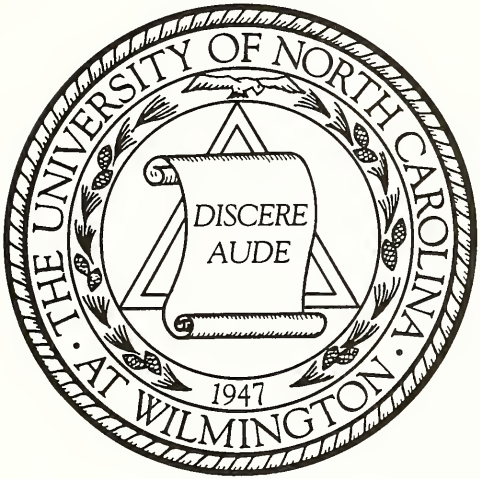
UNDERGRADUATE CATALOGUE

THE UNIVERSITY OF NORTH CAROLINA
AT WILMINGTON

The University of North Carolina at Wilmington

Undergraduate Catalogue



1999-2000
Bulletin 50

The University of North Carolina at Wilmington is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, gender, age, or disability. Moreover, the University of North Carolina at Wilmington is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of black students.

Further, the university affirms that admissions and employment decisions will be made without regard to an individual's political affiliation, sexual orientation, or relationship to other university constituents. The university seeks to promote campus diversity by employing a larger number of minorities and females where these groups are under-utilized within the university.

Questions regarding program access should be referred to the compliance officer, UNCW Chancellor's Office, 601 S. College Road, Wilmington, NC 28403-3297, (910) 962-3835, 962-3038 (fax).

INFORMATION

Admissions	(910) 962-3243
Financial Aid	(910) 962-3177
Registrar	(910) 962-3125
University Operator	(910) 962-3000

World Wide Web Home Page: http://www.uncwil.edu

Cover Photographs: Marybeth Bianchi

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A separate graduate catalogue is available in the Graduate School.

All provisions, regulations, degree programs, course listings, etc., in effect when this supplement went to press are subject to revision by the appropriate governing bodies of the University of North Carolina at Wilmington.

This catalogue is published by the University of North Carolina at Wilmington under the auspices of the Office of the Provost and Vice Chancellor for Academic Affairs. Questions and comments pertaining to the contents or access to documents cited may be directed to that office.

17,000 copies of this public document were printed at a cost of $1.27 per copy (G.S. 143-170.1)

Printed on recycled paper

Welcome to the University of North Carolina at Wilmington!! The journey on which you are about to embark promises to be the most rewarding and perhaps the most challenging you have ever experienced. What you do over the next four years is bound to have a profound impact on the quality of your entire life.

But you are already off to a great start. The fact that you have chosen UNCW is a decision that you will always be able to look back on with a great deal of pride—not only because you have passed the rigorous admissions standards, but also because you have selected a university that is recognized nationally as up-and-coming and on-the-go.

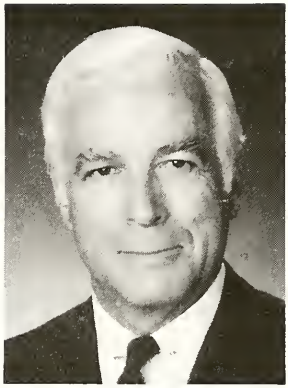
You may be aware that this university is the fastest growing of all the sixteen campuses in the UNC System. In addition, the academic standing of our entering freshmen is among the highest in the entire system. The national recognition that several of our schools have received is spreading the reputation of UNCW well beyond our traditional geographic region.

I know that you will be impressed with the dedication of our faculty and staff to the academic process. At the end of your four year stay on the campus, you will be able to truthfully say that this university has provided much more than a college degree—it has provided an education.

On behalf of the Board of Trustees, I wish you a successful college career and welcome you most heartily to the family of the University of North Carolina at Wilmington.

Sincerely,

Franklin L. Block
Chair of the Board of Trustees



As you begin your academic career at the University of North Carolina at Wilmington, you are entering a new phase of your life, one that will be devoted to rigorous pursuits of the mind and personal development. You have chosen an institution where faculty care about students and where students care about building a tradition of academic achievement. The environment of this lovely old port city will make living and studying a memorable experience.

I welcome you to this institution and challenge you to take full advantage of the opportunities for intellectual and emotional growth. Get to know your professors — debate with them, speak out in class, hear new and different ideas, learn the joy of discovery. Take advantage of cultural offerings. Become a campus leader. Get involved in politics. Enjoy an active social life. Study abroad to learn about another culture.

UNCW faculty and staff are vitally interested in your success, and are here to help you. I keep regular office hours for students, and want you to come see me if you think I can help you or if you just want to chat.

With all best wishes,

Dr. James R. Leutze
Chancellor

February 15, Tuesday	Graduation application deadline—Spring 2000—undergraduate students
February 16, Wednesday	Last day to withdraw with W—undergraduate students
March 3, Friday	Spring vacation begins 10:30 p.m. On-campus housing closes 6 p.m.
March 12, Sunday	On-campus housing opens 10 a.m.
March 13, Monday	Spring vacation ends 8 a.m.
March 29, Wednesday	Last day to withdraw with W—graduate students
April 13, Thursday	Faculty Meeting
April 19, Wednesday	Easter vacation begins 10:30 p.m.
April 24, Monday	Easter vacation ends 8 a.m.
April 28, Friday	Last day of classes
April 29, Saturday	Reading Day
May 1-6, Monday-Saturday	Final Examinations
May 6, Saturday	Spring semester ends/Graduation application deadline—Summer 2000—graduate students
May 7, Sunday	On-campus housing closes 10 a.m.
May 13, Saturday	Commencement/Academic year ends

Summer Session I, 2000

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

May 17, Wednesday	On-campus housing opens 10 a.m.
May 18, Thursday	Classes begin
May 22, Monday	Last day for registration/Last day to drop (without a grade) or add a class. Tuition/fee payment after this date will be subject to a late payment charge.
May 29, Monday	Memorial Day holiday
May 31, Wednesday	Last day to withdraw with W—undergraduate students
June 9, Friday	Last day to withdraw with W—graduate students
June 15, Thursday	Graduation application deadline—Summer 2000—undergraduate students
June 20, Tuesday	Last day of classes
June 21, Wednesday	Final examinations/Term ends
June 22, Thursday	On-campus housing closes 10 a.m.

Summer Session II, 2000

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

June 25, Sunday	On-campus housing opens 10 a.m.
June 26, Monday	Classes begin
June 28, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class. Tuition/fee payment after this date will be subject to a late payment charge.
July 4, Tuesday	Independence Day holiday
July 7, Friday	Last day to withdraw with W—undergraduate students
July 18, Tuesday	Last day to withdraw with W—graduate students
July 27, Thursday	Last day of classes
July 28, Friday	Final examinations/Term ends/Graduation application deadline—Fall 2000—graduate students
July 29, Saturday	On-campus housing closes 10 a.m.

CALENDAR OF EVENTS
2000-2001

Fall Semester, 2000

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

August 7, Monday	Academic year begins
August 11, Friday	Transfer orientation
August 12, Saturday	On-campus housing opens for new and transfer students only 10 a.m.
August 13-14, Sunday-Monday	Freshman orientation
August 14, Monday	On-campus housing opens for returning students 10 a.m.
August 15, Tuesday	Convocation
August 16, Wednesday	Classes begin
August 23, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class. Tuition/fee payment after this date will be subject to a late payment charge.
September 4, Monday	Labor Day holiday
September 14, Thursday	Faculty Meeting
September 15, Friday	Graduation application deadline—Fall 2000—undergraduate students
September 27, Wednesday	Last day to withdraw with W—undergraduate students
October 4, Wednesday	Fall vacation begins 10:30 p.m.
October 9, Monday	Fall vacation ends 8 a.m.
November 8, Wednesday	Last day to withdraw with W—graduate students
November 21, Tuesday	Thanksgiving vacation begins at 10:30 p.m.
November 27, Monday	Thanksgiving vacation ends at 8 a.m.
December 6, Wednesday	Last day of classes
December 7, Thursday	Reading Day
December 8-9, Friday-Saturday	Final Examinations
December 11-14, Monday-Thursday	Final Examinations
December 14, Thursday	Fall semester ends/Graduation application deadline—Spring 2001—graduate students
December 15, Friday	On-campus housing closes 10 a.m.
December 16, Saturday	Commencement

Spring Semester, 2001

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

January 6, Saturday	On-campus housing opens for new and transfer students only 10 a.m.
January 6, Saturday	Spring semester begins/Orientation and Advising
January 7, Sunday	On-campus housing opens for returning students 10 a.m.
January 8, Monday	Classes begin
January 15, Monday	Martin Luther King holiday
January 16, Tuesday	Last day for registration/Last day to drop (without a grade) or add a class. Tuition/fee payment after this date will be subject to a late payment charge.
February 15, Thursday	Graduation application deadline—Spring 2001—undergraduate students
February 19, Monday	Last day to withdraw with W—undergraduate students

March 2, Friday	Spring vacation begins 10:30 p.m. On-campus housing closes 6:00 p.m.
March 11, Sunday	On-campus housing opens 10 a.m.
March 12, Monday	Spring vacation ends 8 a.m.
April 2, Monday	Last day to withdraw with W—graduate students
April 11, Wednesday	Easter vacation begins 10:30 p.m.
April 16, Monday	Easter vacation ends 8 a.m.
April 19, Thursday	Faculty Meeting
May 2, Wednesday	Last day of classes
May 3, Thursday	Reading Day
May 4-5, Friday-Saturday	Final Examinations
May 7-10, Monday-Thursday	Final Examinations
May 10, Thursday	Spring semester ends/Graduation application deadline—Summer 2001—graduate students
May 11, Friday	On-campus housing closes 10 a.m.
May 19, Saturday	Commencement/Academic year ends

Summer Session I, 2001

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

May 16, Wednesday	On-campus housing opens 10 a.m.
May 17, Thursday	Classes begin
May 21, Monday	Last day for registration/Last day to drop (without a grade) or add a class. Tuition/fee payment after this date will be subject to a late payment charge.
May 28, Monday	Memorial Day holiday
May 30, Wednesday	Last day to withdraw with W—undergraduate students
June 8, Friday	Last day to withdraw with W—graduate students
June 15, Friday	Graduation application deadline—Summer 2001—undergraduate students
June 19, Tuesday	Last day of classes
June 20, Wednesday	Final examinations/Term ends
June 21, Thursday	On-campus housing closes 10 a.m.

Summer Session II, 2001

Registration and Sea Line dates—Please refer to the Schedule of Classes bulletin.

June 24, Sunday	On-campus housing opens 10 a.m.
June 25, Monday	Classes begin
June 27, Wednesday	Last day for registration/Last day to drop (without a grade) or add a class. Tuition/fee payment after this date will be subject to a late payment charge.
July 4, Wednesday	Independence Day holiday
July 6, Friday	Last day to withdraw with W—undergraduate students
July 17, Tuesday	Last day to withdraw with W—graduate students
July 26, Thursday	Last day of classes
July 27, Friday	Final examinations/Term ends/Graduate application deadline—Fall 2001—graduate students
July 28, Saturday	On-campus housing closes 10 a.m.

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HISTORY OF THE UNIVERSITY OF NORTH CAROLINA

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of the University of North Carolina. The University of North Carolina at Wilmington is one of the 16 constituent institutions of the multi-campus state university.

The University of North Carolina, chartered by the N.C. General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of the University of North Carolina was at Chapel Hill.

In 1877, the N.C. General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the N.C. General Assembly redefined the University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus University operated with one board of trustees and one president. By 1969, three additional campuses had joined the University through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the General Assembly passed legislation bringing into the University of North Carolina the state's ten remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created the current 16- campus University. (In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the University; and in 1996, Pembroke State University was renamed The University of North Carolina at Pembroke through Legislative action.)

The UNC Board of Governors is the policy-making body legally charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." It elects the president who administers the University. The 32 voting members of the Board of Governors are elected by the General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non- voting members emeriti. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the 16 constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex-officio. (The NC School of the Arts has two additional ex-officio members.) Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

Concise Statement of Institutional Mission

The University of North Carolina at Wilmington is an evolving comprehensive university dedicated to excellence in teaching, in scholarly and artistic achievement, and in service to regional and global communities. As the only university in the region, it has a special responsibility to education and service. In fulfilling this responsibility, the university recognizes and accepts the primary importance of its undergraduate teaching mission, while at the same time offering strong graduate programs that complement its undergraduate programs. The university seeks to stimulate intellectual curiosity, imagination, rational thinking, thoughtful expression, and love of learning in a broad range of discipline and professional fields. Knowledge of the humanities, the social and natural sciences, and the fine arts is central to this curriculum. The university considers research and creative activities essential for effective learning and strives to create an academic environment in which faculty and students can reach their full potential for scholarship. The university's location in an historic Atlantic seaport provides special opportunities for teaching and research in a variety of fields, among them marine and environmental sciences, the humanities, and business. In its public service role, the university serves as a resource and catalyst for regional growth and development.

THE UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

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THE UNIVERSITY OF NORTH CAROLINA AT WILMINGTON

HISTORY AND BACKGROUND

Education on the college level first came to Wilmington in 1946 when a college center was established under the direction of the North Carolina College Conference and under the administration of the Directorate of Extension of the University of North Carolina at Chapel Hill. The center offered courses on the freshman level to some 250 students during the academic year 1946-47. In 1947, a tax levy was approved by the citizens of New Hanover County, and Wilmington College was brought into existence as a county institution under the control of the New Hanover County Board of Education. In 1948 Wilmington College was officially accredited by the North Carolina College Conference and became a member of the American Association of Junior Colleges. In 1952 the institution was accredited as a junior college by the Southern Association of Colleges and Schools.

In 1958, New Hanover County voted to place the college under the Community College Act of the state of North Carolina. By virtue of this vote, the college became a part of the state system of higher education, and control passed from the New Hanover County Board of Education to a board of 12 trustees, eight of whom were appointed locally and four of whom were appointed by the governor of the state. At the same time, the requirements for admission and graduation and the general academic standards of the college came under the supervision of the North Carolina Board of Higher Education, and the college began to receive an appropriation from the state for operating expenses in addition to the local tax.

On July 1, 1963, by an act of the General Assembly of North Carolina, Wilmington College became a senior college with a four-year curriculum, authorized to offer the bachelor's degree.

By vote of the Board of Trustees of the University of North Carolina in late 1968, with subsequent approval by the North Carolina Board of Higher Education, and by an act of the General Assembly of North Carolina in 1969, Wilmington College became, on July 1, 1969, the University of North Carolina at Wilmington. It, and the institution in Asheville previously designated as Asheville-Biltmore College, became the fifth and sixth campuses of the University of North Carolina.

On October 30, 1971, the General Assembly in special session merged, without changing their names, the remaining ten state-supported senior institutions into the university. Thus, the University of North Carolina now comprises 16 institutions.

On August 22, 1977, the Board of Governors of the University of North Carolina authorized the University of North Carolina at Wilmington to offer its first graduate programs at the master's level.

In the spring of 1985, the Board of Governors of the University of North Carolina elevated the University of North Carolina at Wilmington to a Comprehensive Level I University.

The programs offered by the university include four-year programs leading to the Bachelor of Arts, Bachelor of Music, Bachelor of Science and Bachelor of Social Work degrees within the College of Arts and Sciences, the Cameron School of Business, the Watson School of Education, and the School of Nursing; graduate programs leading to the Master of Arts, the Master of Arts in Teaching, the Master of Business Administration, the Master of Education, the Master of Fine Arts in Creative Writing, the Master of School Administration, the Master of Science, and the Master of Science in Accountancy degrees; a variety of pre-professional programs, and special programs in a variety of areas, including marine science research, and continuing education.

ACADEMIC STANDING

The University of North Carolina at Wilmington is accredited by the Commission of Colleges of the Southern Association of Colleges and Schools to award degrees at the bachelor's and master's levels. The Watson School of Education is accredited by the National Council for Accreditation of Teacher Education. The School of Nursing is accredited by the National League for Nursing. The Cameron School of Business is accredited by the American Assembly of Collegiate Schools of Business. The university also holds membership in the North Carolina Association of Colleges and Universities, the American Assembly of Collegiate Schools of Business, the American Council on Education, the American Placement Council, and the Council for Advancement

and Support of Education, and is on the list of schools approved by the American Chemical Society. The Parks and Recreation Management Curriculum is accredited by the National Recreation and Parks Association/American Association for Leisure and Recreation.

THE FACULTY

The university seeks to attract and maintain a faculty of outstanding individuals who are capable of contributing to the enrichment of its diverse and comprehensive instructional and research programs. Its faculty members come from all geographic sections of the United States and several foreign countries, bringing to this campus a rich variety of educational experiences, training and scholarship. Of the more than 412 instructional and research faculty, more than 67 percent hold doctoral degrees.

BOARD OF GOVERNORS' AWARDS FOR EXCELLENCE IN TEACHING

As part of its ongoing efforts to underscore the importance of teaching and to encourage, identify, recognize, reward, and support good teaching within the university, the Board of Governors in 1993 created the annual systemwide teaching awards which are designated Board of Governors' Awards for Excellence in Teaching. Sixteen awards are given annually, with one recipient selected from each of the constituent institutions. The first awards were given in the 1994-95 academic year.

BOARD OF TRUSTEES' TEACHING EXCELLENCE AWARD

The Board of Trustees of the University of North Carolina at Wilmington, in recognition of this institution's commitment to teaching excellence, has established the Board of Trustees' Teaching Excellence Award. Recipients of the award manifest excellence as a way of life and stand out among the faculty as persons who have made and continue to make a significant contribution to higher education through their dedication and service to students. The award carries with it both an honor and a responsibility: it specifies a member of the faculty as a person of excellence and it calls upon the person so honored to share that excellence with colleagues and students.

DISTINGUISHED TEACHING PROFESSORSHIP

The Distinguished Teaching Professorship Awards exemplify UNCW's commitment to excellence in teaching and in teaching-related activities by recognizing faculty members who have made a profound contribution to higher education through their dedication and service to students. Three awards are given each year, and each recipient holds the award for three years.

THE UNCW AWARD FOR FACULTY SCHOLARSHIP

The UNCW Award for Faculty Scholarship is designed to underscore this institution's continuing commitment to scholarship and creative work. Recipients of the award shall stand out among the faculty as persons who have made, and continue to make, a significant contribution to the university and the academic community through their commitment to scholarship, research and creativity.

THE FOUNDATION CHAIR

The Foundation of the University of North Carolina at Wilmington is a charitable, non-profit corporation established for the sole purpose of supporting the university. Through private donations, it supports a faculty chair designated to assist the university in its long-range efforts concerning faculty development and recruitment. The Foundation Chair, which is currently allocated to the various academic disciplines on a rotating basis, enables the university to bring to this campus renowned scholars and performing artists. In filling the chair a special effort is made to select individuals whose contributions will benefit not only the university, but also the community at large.

STATEMENT ON DIVERSITY IN THE UNIVERSITY COMMUNITY

In an effort to address the needs of the total university community, the chancellor has endorsed the following statement of principle proposed by the Human Relations Advisory Committee:

As an institution of higher learning, the University of North Carolina at Wilmington represents a rich diversity of human beings among its faculty, staff, and students and is committed to maintaining a campus environment that values that diversity.

Accordingly, the university supports policies, curricula, and co-curricular activities that encourage understanding of and appreciation for all members of its community and will not tolerate any harassment of or disrespect for persons because of age, sex, color, race, religion, creed, national origin, sexual orientation, political belief or affiliation, disability, veteran status, marital status or membership in any organization.

For more information concerning the ways that our multicultural learning community may be nurtured and protected, contact the Human Relations Committee through the offices of the Chancellor or the Dean of Students.

UNCW SEXUAL HARASSMENT POLICY

The University of North Carolina at Wilmington is committed to ensuring that all students, faculty and staff are treated with dignity and respect. Sexual harassment is highly detrimental to the environment of mutual respect that must prevail if the university is to fulfill its goals. Sexual harassment violates university policy and is illegal under state and federal law. All members of the university community have an obligation to learn what behaviors constitute sexual harassment, be responsible for their own behavior, and cooperate in creating a climate where sexual harassment is not tolerated.

Sexual harassment is defined as: "Unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature when such conduct

(I) constitutes an expressed or implied condition to another person's academic pursuits, university employment, or participation in activities sponsored by the university or organizations or groups related to the university, or

(ii) is engaged in for the purpose of interfering with such pursuits, employment, or participation, or

(iii) creates a hostile, intimidating, or offensive environment for such pursuits, employment, or participation."

Sexual advances or requests for sexual favors which are presented as a <u>condition</u> to another person's academic pursuits, university employment, or participation in university activities are always a violation of university policy—whether repeated or not. Behaviors which are not presented as a condition to another person's employment, education, or participation in university activities but which create a <u>hostile, intimidating, or offensive environment</u> generally must be repetitive and clearly unwelcome to constitute a violation of university policy.

Unwanted sexual attention can take many forms, including, <u>but not limited to</u>:

VERBAL: unwanted and repeated sexual remarks; offensive jokes about sexual or gender traits; sexual proposition; insults, threats or bribes; sexual innuendoes or comments about a person's body, clothing, or activities; offensive written notes or phone calls.

NON-VERBAL: leering, whistling, suggestive or insulting gestures.

PHYSICAL: unwanted touching of a sexual nature (e.g., brushing, patting, pinching, fondling); coerced sexual activity.

Any of these could be considered sexual harassment, and, depending on the situation, fit into the following categories:

- Gender Harassment: statements or behaviors that insult or degrade another person on the basis of his or her gender or sexual orientation; repetitive, unwelcome physical or verbal sexual advances;
- Sexual Bribery: solicitation of sexual activity by promise of reward;
- Sexual Coercion: coercion of sexual activity by threat of punishment;
- Sexual Imposition: forced, unwanted sexual activity.

In sum, sexual harassment usually takes the form of explicit conditions pertaining to an individual's work or study (whether repeated or not) or unwanted and repeated behaviors of the type described above. Compliments, a one-time thoughtless joke, or inadvertent physical contact typically do not constitute sexual harassment. Individuals unclear as to whether a specific behavior is sexual harassment are encouraged to talk with the university EEO/AA officer or the dean of students, or one of the EEO/AA contact persons listed in the university telephone directory.

Sexual harassment is considered a serious matter. The university suggests several mechanisms, both informal and formal, for persons to make complaints, which may include bringing the matter to the attention of university officials. [See Administrative Review Procedure for University Members Alleging Personal Discrimination.] However, accusations of sexual harassment have serious consequences for the accused as well as the accuser, and therefore action will be taken against anyone bringing forth frivolous or false charges.

POLICY OF THE BOARD OF GOVERNORS OF THE UNIVERSITY OF NORTH CAROLINA CONCERNING IMPROPER RELATIONSHIPS BETWEEN STUDENTS AND EMPLOYEES

The University of North Carolina does not condone amorous relationships between students and employees. Members of the university community should avoid such liaisons, which can harm affected students and damage the integrity of the academic enterprise. Further, sexual relationships between unmarried persons can result in criminal liability. In two types of situations, university prohibition and punishment of amorous relationships is deemed necessary: (1) When the employee is responsible for evaluating or supervising the affected student. (2) When the student is a minor, as defined by North Carolina law. The following policies shall apply to all employees and students of the sixteen constituent institutions.

A. **Prohibited Conduct**
   1. It is misconduct, subject to disciplinary action, for a university employee, incident to any instructional, research, administrative or other university employment responsibility or authority, to evaluate or supervise any enrolled student of the institution with whom he or she has an amorous relationship or to whom he or she is related by blood, law or marriage.
   2. It is misconduct, subject to disciplinary action, for a university employee to engage in sexual activity with any enrolled student of the institution, other than his or her spouse, who is a minor below the age of 18 years.

B. **Definition of Terms**
   1. "Amorous relationship." An amorous relationship exists when, without the benefit of marriage, two persons as consenting partners (a) have a sexual union or (b) engage in a romantic partnering or courtship that may or may not have been consummated sexually.
   2. "Related by blood, law, or marriage" means:
      a. Parent and child
      b. Brother and sister
      c. Grandparent and grandchild
      d. Aunt and/or uncle and niece and/or nephew
      e. First cousins
      f. Step-parent and step-child
      g. Husband and wife
      h. Parents-in-law and children-in-law
      I. Brothers-in-law and sisters-in-law
      j. Guardian and ward
   3. "Evaluate or supervise" means:
      a. To assess, determine or influence (1) one's academic performance, progress or potential or (2) one's entitlement to or eligibility for any institutionally conferred right, benefit or opportunity, or

b. To oversee, manage or direct one's academic or other institutionally prescribed activities.

C. **Corrective Action**

Board of Governors statement:

Violation of the provisions of Section A shall be addressed in accordance with remedial measures prescribed by each constituent institution; if disciplinary action is brought against an affected employee, it shall be conducted in accordance with existing institutional policies and procedures prescribed for prosecuting misconduct charges against members of the class of employment of which the affected employee is a member.

UNCW policy:

"Improper relations" as defined in this policy focuses on potential conflicts of interests, conflicts of interests, or the appearance of conflicts of interests related to supervision or evaluation of students or other university employees in the performance of duties. If the potential for such conflicts arises, university employees involved in such relationships are required to disclose the possibility of any conflict of interest to their immediate supervisor (unless the immediate supervisor is the person involved in this conflict of interest in which case the reporting line is to the next level of administrative authority) and to take immediate action to eliminate any potential source of conflict of interest. That is, university employees must recuse themselves of any official duty which would create a conflict of interest or potential for conflict of interest. In such cases, university employees are encouraged to seek informal resolution of the matter with the help of the immediate supervisor (or appropriate administrative authority) by making alternate arrangements in which work tasks can be performed in the absence of any conflict of interest or potential conflict of interest.

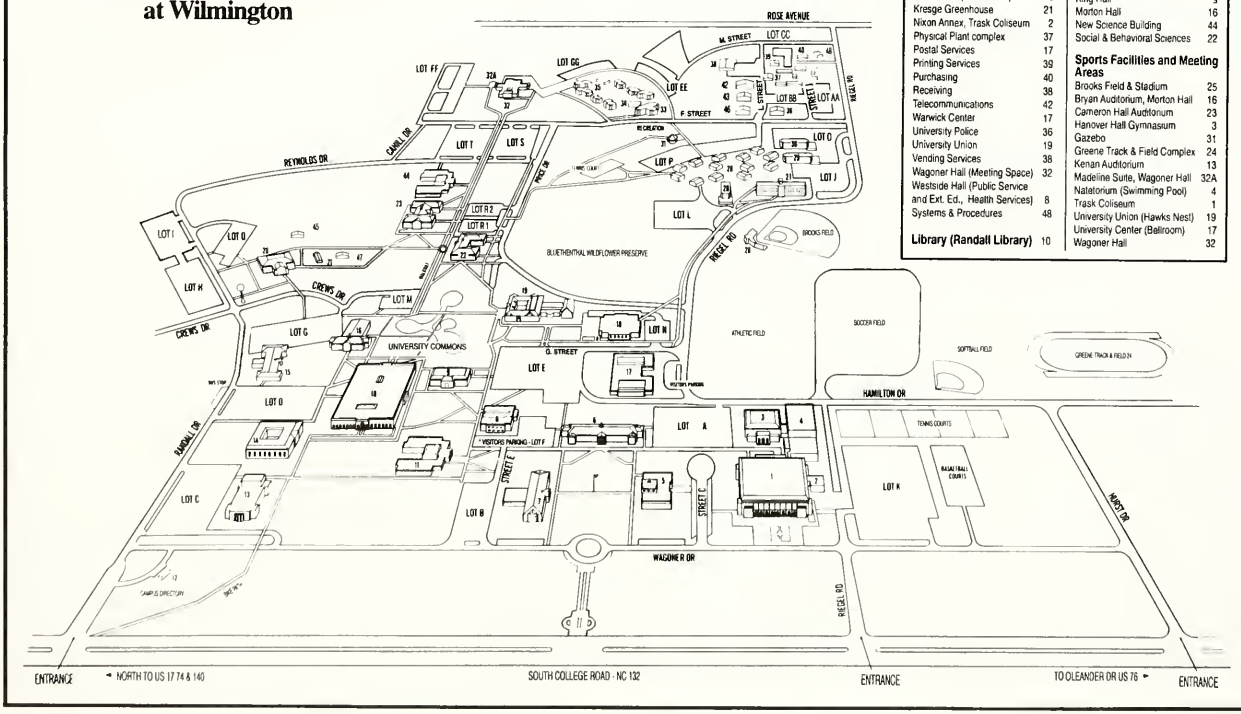
If the matter cannot be resolved informally and if individuals knowingly continue in a supervisory or evaluative relationship in which such a conflict of interest exists, then those individuals shall be subject to disciplinary action up to and including dismissal from the university.

Anyone who believes that a violation of this policy has occurred is encouraged to refer the matter to the appropriate supervisory authority (unless the immediate supervisor is the person involved in this conflict of interest in which case the reporting line is to the next level of administrative authority) or to the university EEO/AA officer. In such cases, the appropriate supervisor should implement a formal review process in accordance with university administrative review procedures for personal discrimination

Campus Map

UNCW

University of North Carolina at Wilmington



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THE CAMPUS

The University of North Carolina at Wilmington is located in the southeastern part of the state on a 661-acre tract on State Highway 132 (College Road) midway between the Cape Fear River and the Atlantic Ocean. The city of Wilmington is situated on the east bank of the Cape Fear River about 15 miles from Carolina Beach and 10 miles from Wrightsville Beach. The standard metropolitan area, of which Wilmington is a part, now has a population in excess of 118,000. Several main highways lead into the city, and commercial air service provides easy access to other metropolitan areas north, south, and west.

Ocean breezes and the nearness of the Gulf Stream give Wilmington a delightful year-round climate, and the area's proximity to the ocean provides unlimited recreational opportunities.

The spacious well-landscaped campus was first occupied by the university in 1961. The number of buildings has increased from three in 1961 to 90 today. There are several athletic fields and ample space for parking.

BUILDINGS

The buildings on the campus are of modified Georgian architecture. All academic buildings, as well as the cafeterias and residence halls, are completely air-conditioned.

Edwin A. Alderman Hall, which houses administrative offices, is named in honor of a native Wilmingtonian who served as president of the University of North Carolina, the University of Virginia and Tulane University.

Hoggard Hall, an academic building named in honor of Dr. John T. Hoggard, second president of Wilmington College, houses the School of Nursing, the Office of Computing and Information Systems, Institutional Research, Research Administration, Center for Teaching Excellence, and faculty and staff offices.

Kenan Hall, named in honor of the late Mrs. Sarah Graham Kenan of Wilmington, is occupied by the Department of Art and Theatre and the Department of Music. It contains classrooms, faculty offices, art and music studios, the music library, computer lab, dramatic workshops and the S.R.O. Theatre. It also contains an auditorium with seating capacity of approximately 100.

Will S. DeLoach Hall houses the Department of Physics and Physical Oceanography and the Department of Earth Sciences. It is equipped with classrooms, faculty and staff offices, teaching auditoriums, and laboratories.

Friday Hall, named in honor of UNC President Emeritus William C. Friday and his wife Ida, was completed in 1974. It houses the Department of Earth Sciences and part of the Department of Biological Sciences, Science and Mathematics Education Center, Summer Ventures Program in Science and Math, and contains classrooms and laboratories.

Arnold Kimsey King Hall houses the Watson School of Education and contains an auditorium with a seating capacity of 191, classrooms, faculty offices, and a curriculum laboratory.

Cameron Hall, occupied in 1988, houses the Cameron School of Business.

Isaac Bear Hall, completed in 1972, and expanded in 1989 and 1995, contains the College of Arts and Sciences, and the departments of Mathematics and Statistics, and Philosophy and Religion.

Morton Hall, named for Margaret Shannon Morton, was completed in October 1978 and houses the departments of English, History, and Foreign Languages and Literature. The building contains classrooms, seminar rooms, and the Bryan Auditorium which seats 200.

The Social and Behavioral Sciences Building was completed in 1980. It houses the departments of Psychology, Political Science, and Sociology and Anthropology.

The Science Building, the largest academic building, was completed in 1996 and contains the departments of Biological Sciences and Chemistry. The building contains classrooms and laboratories.

The Sarah Graham Kenan Auditorium, a gift from the Sarah Graham Kenan Foundation, has a seating capacity of 1,000 persons. The auditorium is also equipped for use as a theatre and contains seminar rooms for the Department of Music.

Hanover Hall and Trask Coliseum, the physical education complex, provide modern facilities for the athletic activities of all students, including a large playing floor with rollaway bleach-

ers, a second athletic activity floor, offices, locker rooms and showers, and special gymnastic equipment.

The Raiford G. Trask Health and Physical Education Building provides the campus with a 6,000-seat coliseum as well as an olympic size swimming pool and a separate diving tank. Construction was completed in the fall of 1977.

The University Union is the "living room" of the university community. It houses a wide variety of services, student and administrative offices, while providing space for campus activities and meetings, Office of International Programs, and the Hawk's Nest.

The Warwick Center, opened in 1991, provides supplementary space to the University Union operation. In the building are housed the post office, the game room, a food facility and coffee house, the Office of Human Resources and a large multi- purpose room which can be divided into as many as three smaller spaces. Areas of the multi-purpose room will be available to the university community and the community at large for meetings and conference proceedings, etc.

Hinton James Hall, named for a New Hanover County resident who was the first student to enroll at the University of North Carolina, houses the Graduate School, Office of Enrollment Affairs, Financial Aid Office, Registrar Services, Undergraduate Admissions, and Cashier.

The Burney Student Support Center opened in the summer of 1985. Centrally located adjacent to the University Union, it houses the University Bookstore, the Parking/Student ID Office, and the Department of Communication Studies.

Wagoner Hall opened in 1989, providing space for food service for students and faculty. This facility along with two other food service facilities, contains modern food service equipment which allows for many different food and catering services. It also houses a special purpose meeting and dining facility known as Madeline Suite and the offices of Student Academic Support Programs.

Westside Hall contains Student Health Services, the Student Development Center, The Learning Center, The Writing/Reading Place, Division for Public Service and Extended Education, and Copy Center.

The Edmond R. Galloway Residence Hall, opened in 1971, provides housing for 400 students. The Belk Residence Hall, opened in June 1976, accommodates 200 students. The 200-student residence hall, named in honor of Addison Hewlett, Jr., opened in the fall of 1978.

Another residence hall for 220 students, Frederick B. Graham Hall, was occupied in the fall of 1979. In 1981, the 400-student apartment complex was completed and occupied. Schwartz Hall opened in the fall of 1985 for an additional 160 students. Suite housing for 400 students opened in the fall of 1989. In November 1998, the university opened an International House and Honors House with each building housing 100 additional students.

WILLIAM MADISON RANDALL LIBRARY

The William Madison Randall Library constitutes a vital instructional and research resource of the University of North Carolina at Wilmington. With seating provided for over 950 users, the library holds nearly two million items in various formats of which 800,000 are books, bound journals, and paper government documents; 920,000 are microform pieces, and more than 22,000 are multimedia items. In addition the library offers extensive indexes and full text resources via computers. These resources, including NC LIVE databases, provide indexing for more than 30,000 journals, access to more than 7,000 full text journals and catalogues of several million volumes of books, journals and documents. An online catalogue and circulation system provides easy, efficient access to most of the library's collections. The library catalogue is accessible on the World Wide Web at **http://library.uncwil.edu**

The library's specialized collections include the Rare Book Collection; the Southeastern North Carolina Collection, devoted to publications about or written by residents of the Lower Cape Fear region of North Carolina; Manuscript Collections (diaries, correspondence and other papers); UNCW and Wilmington College Archives; and the Curriculum Materials Center, a specialized facility designed to support the teacher education program of the Watson School of Education. The library is a selective depository for United States government publications, a full depository for North Carolina documents, and serves as the Local Public Documents Room for the Nuclear Regulatory Commission.

A knowledgeable and helpful staff of 43 full-time employees and many student assistants provides extensive operating hours, professional reference and instructional services, including tutorials on effective database searching. The library faculty insures that extensive computer access and assistance is provided for students and that continuous technological improvements are made to enhance access to information. Remote access to library databases is readily available to the UNCW community. Connected to the OCLC worldwide bibliographic database for interlibrary loan and cataloging, Randall Library also participates in many cooperative relationships among the sixteen UNC System libraries.

Randall Library was originally built in 1969 and is named for William Madison Randall, Wilmington College president from 1958 to 1968. An addition and renovation project in 1986-87 doubled the size of the building. The library also houses the Honors Program Office, Learning Center, Writing/Reading Place, a Distance Learning classroom, many faculty and graduate assistant offices, and a microcomputer lab for students.

INFORMATION TECHNOLOGY

Computing support for students is diversified and widespread across the university campus. Eight general-access microcomputer labs are operated on campus. There are also a number of departmentally operated computer labs offering specialized, discipline specific hardware and software.

The central computer system operates under OpenVMS and offers access to statistical packages, language compilers and electronic mail. A Cray supercomputer, located at the North Carolina Supercomputer Center in Research Triangle Park, is accessible through the campus network for appropriate and approved instructional and research activities.

The university has a high-speed fiber optic campus data network which provides access to the Internet, central servers, departmental LANs, and the Randall Library on-line catalog.

Each year, greater emphasis is being placed by the faculty upon student utilization of computing facilities. Every department on campus uses computing in some aspect of its daily activities. Students are expected to assimilate computing skills as an integral part of their campus life.

All students are provided with an e-mail account. These accounts will remain active as long as the student is enrolled at the university. All students are expected to abide by the rules and policies governing appropriate use of computing resources and facilities as stated in the UNCW Computing Resource Use Policy.

For more information about computing at UNCW, contact the Office of Information Technology Help Desk, and visit our World Wide Web site at http://www.uncwil.edu/oit.

DIVISION FOR PUBLIC SERVICE AND EXTENDED EDUCATION

The Division for Public Service and Extended Education creates and/or facilitates outreach programs that respond to regional needs and strengthen the national and international recognition of UNCW.

Using the North Carolina Information Highway, modern telecommunications and traditional methods, the division links the expertise of faculty, staff and other professionals to a diverse audience. The division develops and implements personal and cultural enrichment opportunities for all ages; provides community service and regional development assistance; and delivers programs to educate the work force in global affairs, new technology and managerial and professional improvement.

Public Service Programs

In cooperation with other university units and community organizations, the division creates or facilitates forums, conferences and institutes that promote public awareness of issues, community leadership, technological and economic development. Many of these activities are open to the public free of charge. Through community relations, the division seeks to foster public awareness and broaden public discussion of the critical issues facing the city, region and state

and assists with the development of community leadership programs needed to address these challenges.

UNCW works with leaders in its service region to identify areas for collaboration between public service organizations and private industry. The university works with leaders of business, government and health services to further the regional benefit from the North Carolina Information Highway and seeks grant funds for economic and community development initiatives.

The Small Business Technology and Development Center (SBTDC) offers in-depth, confidential counseling to persons starting businesses and those seeking advice in various areas. The NC Marine Trade Program, a statewide initiative of the Small Business and Technology Development Center, offers business assistance to the marine industry. Specific services include assistance in marketing marine products and services, complying with environmental regulations, and maintaining safe operations.

The division's Distance Education Services support two fiber optic classrooms with full interactive and hypermedia capability. They are located on the UNCW campus in Westside Hall and in Randall Library. UNCW is a founding member of the Cape Fear Regional Partnership Network (CFRPN), a consortium that links UNCW with regional community colleges, high schools and a regional medical center. It is also a member of the North Carolina Research and Education Network (NC-REN), a statewide interactive video network of UNC-system institutions and medical centers. UNCW's state-of-the-art facilities also include an on-ramp to the North Carolina Information Highway (NCIH). This connection enables UNCW to broadcast or receive academic and non-academic courses and seminars statewide while simultaneously allowing faculty and students access to educational research and professional development opportunities across the state and nation. The Division for Public Service and Extended Education is currently facilitating the development of flexible delivery modes for non-credit and credit instruction. Other initiatives include creation of regional economic development partnerships, investigation and exploration of emerging distance education technologies and continued regional educational outreach and mentoring.

UNCW-TV, broadcasts over The Learning Network of the Cape Fear, an educational channel (Time Warner cable channel 5) supported by a consortium of four public entities including Cape Fear Community College, New Hanover County Schools, New Hanover Regional Medical Center and UNCW. TLN's mission is to provide quality programming that educates, enriches and informs.

Celebrate Wilmington!, a marketing initiative for the arts, is also based in the division. Working with university and community arts organizations, this collaborative effort is designed to increase the awareness of the fine arts, including music, theater, dance, performing art, architecture, historic preservation, regional history and the visual arts which reflect the multicultural nature of our community. *Celebrate Wilmington!* enriches and expands the appreciation of cultural heritage, creative expression in new and familiar forms and other cultural perspectives and horizons. *Celebrate Wilmington!* recognizes the contributions of the citizens who have lived, worked and/or enriched the Cape Fear region and have established a Walk of Fame in downtown Wilmington. The Walk honors those who have attained national recognition in the arts, business, education, literature, broadcasting/television/journalism, sports, science, medicine, religion, politics/government and the military.

Several divisional programs bring to campus area elementary and middle school student groups to experience what life and study is like on a university campus. In UNCW Connection, for example, students experience a variety of activities to introduce them to higher education and encourage them to continue their education after high school graduation.

Continuing Education Programs

The Division for Public Service and Extended Education offers a wide variety of programs designed to provide both traditional and non-traditional students with continuing education opportunities for lifelong learning. Many of these programs are offered through the nationally recognized Continuing Education Unit (CEU) system for non-academic credit, which provides one CEU for every 10 hours of class time. Subjects range from the study of languages, creative writ-

ing and oil painting to Chinese cooking. Adult enrichment programs include the Adult Scholars Signature Series for older adults and special interest lectures. The signature series is an example of UNCW's recognition of the wealth of expertise and experience among employed or retired mature adults. Youth programs include MarineQuest (in which students or student groups and their teachers participate in study trips to various locations concentrating on marine and environmental sciences), the SAT test preparation courses and other educational programs. Because the division is receipt-supported (that is, must raise its own money to support its activities), a fee is charged for most offerings.

Professional Development and Leadership Programs

Continuing education programs also include professional development seminars in advertising design, understanding personal computers, small business development, certified public accounting and other areas. Some offerings focus on topics of the day such as the Internet, Japanese culture and language, business writing, etc. The division also designs specific professional training programs for local schools, businesses and industries in collaboration with other academic departments. University faculty and other qualified individuals provide instruction in topics such as accounting, communications, management, planning, real estate appraisal, small business administration, management and employee assistant program training. Courses for school teachers and administrators are designed to provide ongoing professional improvement or to meet certification and renewal inquiries.

The division welcomes inquiries from individuals or organizations interested in implementing a training program for their employees. The division, in collaboration with other academic departments, provides management of professional training by contracting with the business, industrial, government and educational sectors.

Through its community development program, the division and university serves as a catalyst for broad community discussions about the future of Wilmington. Still in its infancy, community development assists in defining specific content and focus of public programs and identifies speakers, coordinates program activities and secures resources to conduct the program.

The Adult Leadership Program furnishes opportunities for potential leaders to learn more about issues, problems, and creative solutions in our service region. Graduates usually become involved in community activities that blend their experiences and new interests by volunteering in various units at UNCW or in community agencies.

Collaborating with the Watson School of Education, some in-service courses are designed for school teachers with renewal credit issued by the North Carolina Department of Public Instruction.

Extension

The division also collaborates with other academic schools to offer external degree programs and extension courses. The Onslow County Extension Program is located in Jacksonville, NC and offers four-year degree completion programs in elementary education, education of young children, business, nursing through the RN-Access program, teacher licensure in secondary education and criminal justice. Students must have earned a two-year associate degree or equivalent transferable hours to enroll. Classes are conveniently offered in the Jacksonville area.

The university participates in the North Carolina Comprehensive Articulation Agreement between North Carolina community colleges and constituent institutions of the University of North Carolina.

Digital Communities

The division also manages the Global Virtual University initiative and is currently participating in a Digital Communities Project promoted by the Japan Electronic Industry Development Association (JEIDA) and UNCW. The DCS project, designed to promote the active participation and application of information technology by Japanese citizens, examines how information technologies can address problems and present solutions in health care, workforce development, inter-

governmental collaborations, civic involvement in legislation and the development of new industries. The four Japanese universities currently participating in the project include The University of Tokyo, Mie University, Iwate University and Mie Prefectural College of Nursing.

Conference Arrangements

Conference coordination is available for external groups whose mission coincides with that of the University of North Carolina system. The division places special emphasis on recruiting non-profit groups with a training or educational purpose. Such conferences may range in size from 20 to 800 people, may be credit or non-credit in nature, and may last for one day or for several weeks. The Division for Public Service and Extended Education provides professional training by contracting with the business, industrial, government and education sectors. Examples include the North Carolina School for Alcohol and Drug Studies that brings substance abuse professionals and educators to campus and the North Carolina Teacher Academy, one of 10 in the state, that hosts teachers and educational professionals in three one-week, intensive training sessions focusing on educational leadership topics and classroom strategies.

The Division also provides services for conferences offered by university offices, departments or divisions. These services for internal and external groups include marketing, registration, housing accommodations and food service.

Information

Further information concerning the Division for Public Service and Extended Education or any of its activities may be obtained by contacting (910) 962-3193.

HERBERT BLUETHENTHAL MEMORIAL WILDFLOWER PRESERVE

The Herbert Bluethenthal Memorial Wildflower Preserve is a 10 acre memorial botanical garden located on the UNCW campus. Established in 1972, its purpose is to provide a place where the university community and the public can learn about and enjoy our native plants and their habitats. Many of the plants are labeled and maps and trail guides are available at the entrance.

EV-HENWOOD NATURE PRESERVE

Ev-Henwood is UNCW's coastal forest research and teaching station located in Brunswick County. It is only a short 30 minute drive from the university campus and is available for nature study and appreciation, student and faculty research, and class field trips. Included in its 110 acres are oak/hickory woods, pine forests, and low woods along the bordering Town Creek and its branches. Additional habitats such as ponds and fields are available nearby.

ADMISSIONS

The University of North Carolina at Wilmington seeks to admit students with the intellectual ability to perform successfully in the collegiate community. Students must have the motivation and the determination to avail themselves of the learning experiences that will be beneficial to them if they are to attain both academic and personal enrichment. As a state-supported institution, the university is aware of its obligation to provide an educational opportunity to all qualified applicants who will benefit from the program of study offered on the Wilmington campus.

Applicants may apply to enter the university at the beginning of the fall or spring semester and at the beginning of each summer term. The academic qualifications of each applicant are carefully reviewed by admissions personnel in a conscientious effort to admit students who have the potential for further academic achievement and growth. The university encourages and awards College Level Examination Program (CLEP) and Advanced Placement (AP) credit. Students should consult their high school counselor for further information. The university does honor the College Board Application Fee Waiver form if properly signed.

Overenrollment or state budgetary constraints may require the restriction of admissions during a given year. This may require the adjustment of minimum requirements or the establishment of earlier application deadlines. Out-of-state freshman applicants are encouraged to apply prior to December 1 for fall admission. THE UNIVERSITY RESERVES THE RIGHT TO ADJUST APPLICATION DEADLINES ACCORDING TO ENROLLMENT NEEDS.

An immunization record for each admitted UNCW student is required by law to be on file at UNCW prior to registration. The university reserves the right to cancel admission offers to students whose tuition deposits or immunization records are not received at UNCW by the tuition deposit deadline date.

Students who do not enroll in the term for which they were admitted will have the offer of admission canceled. A written request for consideration for a different term must be sent to the Office of Admissions by the application deadline date for that term.

Any exception to university admissions requirements must be approved by the Office of the Vice Chancellor for Academic Affairs.

Any student who supplies false or misleading information or who conceals pertinent facts in order to enroll in the University of North Carolina at Wilmington will be subject to immediate dismissal from the university.

APPLICATION DATES

A. For Freshmen for Summer and Fall, 1999 and 2000

1. Applications are processed on a rolling basis until enrollment goals are met. Early applications are encouraged.
2. A non-refundable $100.00 tuition deposit is required on or before May 15 from all admittees intending to enroll at UNCW in the fall 1999 and 2000.

B. For Transfer Applicants for Summer and Fall, 1999 and 2000

1. Apply by March 15; decision mailed by April 15.
2. Tuition deposit required on or before May 15.

C. For Former Re-Enrolling Students for Fall, 1999 and 2000

1. Apply by May 1; decision by June 30; rolling basis.
2. No tuition deposit required.

D. For All Spring (January) Semester Applicants, 2000 and 2001

1. Apply by November 1; applications will be processed on a rolling basis.
2. Tuition deposit due November 30.
3. There are *limited* openings for spring semester admission.

E. For Permission (Visitor) Students for Summer I and Summer II, Fall and Spring 1999 and 2000

Summer Session I Apply prior to May 1; decisions on rolling basis
Summer Session II Apply prior to June 1; decisions on rolling basis
Fall and spring deadlines are the same as stated in items A and D above.
No tuition deposit is required from permission/visitor students.

ADMISSIONS-FRESHMEN

The minimum freshman requirements for consideration for admission to the University of North Carolina at Wilmington are listed below. Meeting minimum admission requirements does not guarantee admission to the university.

(1) Graduation from an approved or accredited high school, or a GED certifcate.*
(2) A satisfactory score on the Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT).
(3) An overall "C" average on all work attempted in grades 9-12.
(4) *Four (4) course units in English*, emphasizing grammar, composition, and literature;
Three (3) course units in mathematics, including:
–algebra I
–algebra II, and
–geometry, or a higher-level mathematics course for which algebra II is a prerequisite
Two (2) course units in social studies, including:
one unit in U.S. History **
Three (3) course units in science, including:
one (1) unit in a life or biological science (for example, biology)
one (1) unit in a physical science (for example, physical science, chemistry, physics)
one (1) laboratory course.
*Two (2) course units in one foreign language****

* GED candidates must have been out of school two full years since their class graduated. Any GED candidate whose high school class graduated in 1990 or later is not eligible for freshman admission.

** Students who do not have one unit in U.S. history may be admitted with a history deficiency to be made up by the end of the sophomore year at UNCW.

*** Students who meet all minimum requirements except foreign language will be accepted with a deficiency and will be required to complete a foreign language sequence of 101 and/or 102, or 120 before they may graduate with the baccalaureate degree from UNCW.

Application Procedure for Freshmen

Applicants are required to comply with the following:

1. Submit a completed application form by the deadline date. A NON-REFUNDABLE application fee must accompany the application. ($35 for terms prior to fall 2000, $45 for fall 2000 and after)

2. Have the secondary school officials submit an official transcript of secondary school work or GED. The transcript must be sent directly to the Office of Admissions, The University of North Carolina at Wilmington, 601 S. College Road, Wilmington, North Carolina 28403-3297.

3. Take the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the ACT of the American College Testing Program. Because of deadlines for filing application to take the tests, arrangements must be made well in advance of the testing date so that the application is received by the testing company in time. Applicants are accepted to UNCW on the basis of their junior or senior SAT or ACT scores. For information about the SAT, contact the secondary school guidance counselor or write or call College Board ATP, P.O. Box 592, Princeton, New Jersey 08540, (609) 771-7600. Students who live in the Western, Southwestern or Pa-

cific Coast states should write or call College Board ATP, P.O. Box 1025, Berkeley, California 94701, (415) 849-0950. For information about the American College Testing Program, write The College Testing Program, Program Services Department, P.O. Box 168, Iowa City, Iowa 52243.

It is important that the high school transcript, or GED, and test scores reach the university by the application deadline date so that all matters relating to the application may be complete before the opening of the semester in which the student expects to enroll.

4. Out-of-state freshman applicants are encouraged to apply by December 1.

ADMISSIONS-TRANSFER STUDENTS

Students wishing to transfer to the University of North Carolina at Wilmington from another institution must meet the following requirements for admission: (1) must be eligible to return to the institution last attended; (2) must have attained at least a "C" average (2.00 on 4.00 system) based on all transfer courses attempted and on all transferable courses at all institutions attended and (3) must have completed a minimum of 24 semester hours (36 quarter hours) of transferable credit. Students seeking admission by transfer of credits are required to have all transcripts of previous college or university work forwarded to the Office of Admissions by the registrar of each institution they have attended. Even though no transfer of credit may be involved, all previous college or university work must be certified by transcripts or records of attendance. An official high school transcript or GED must also be submitted. Transfer courses will not be accepted from non-accredited schools, or from business, trade, vocational or technical schools, except by previous contractual agreement with UNCW. Prior to admission, the transfer applicant must have successfully completed one year of freshman-level English and one unit of college-level mathematics. One unit of life science is recommended before transfer.

Any student whose high school class graduated in 1990 or later must have completed the following high school requirements:

- **Four (4) units of English**
- **Three (3) units of mathematics (including algebra I, geometry and algebra II or a higher-level math for which algebra II is a prerequisite)**
- **Two (2) units of social studies (including one unit of U.S. history)**
- **Three (3) units of science (including a unit of life or biological science, a unit of physical science, and at least one laboratory course)**

If you did not complete the above requirements in high school, or received a GED in 1990 or later, you may apply to transfer after you complete a minimum of 24 semester hours with an overall "C" average (2.00 on a 4.00 scale). You must have completed the following:

- **Six (6) semester hours of freshman composition**
- **Six (6) semester hours of college-level mathematics**
- **Six (6) semester hours of science**
- **Six (6) semester hours of social science**

Application Procedure for Transfer Students

Students wishing to transfer are required to comply with the following procedures:

1. Submit a completed application form by the application deadline date. A $45.00 NON-REFUNDABLE application fee must accompany the application.
2. Submit a completed university questionnaire. This questionnaire is included in the transfer admissions packet.
3. Have an official transcript from each college or university attended, including summer school, submitted. It is the applicant's responsibility to request that the registrar of each institution attended send an official transcript directly to the Office of Admissions by the application deadline date.
4. Have an official high school transcript or GED, including test scores, sent to the Office of Admissions by the application deadline date.

Official credit evaluation of transcripts will be done after admission when tuition deposit or confirmation card is received from student.

ADMISSIONS TO THE PROFESSIONAL SCHOOLS AND SELECT PROGRAMS

(Degree Programs in the Cameron School of Business, Watson School of Education, the School of Nursing, and Bachelor's Degree Programs in Biology, Music, Psychology and Social Work)

Admission to degree programs in the Cameron School of Business, Watson School of Education, the School of Nursing, and bachelor's degree programs in biology, music, psychology and social work must be attained prior to students pursuing majors in those areas. Applications may be obtained from the appropriate school or department.

ADMISSIONS-FORMER STUDENT (Re-enrolling)

Former UNCW students who have been away from the university for at least two consecutive semesters and wish to return to the university must apply to the Office of Admissions for readmission prior to May 1 for the fall semester or December 1 for the spring semester. A NON-REFUNDABLE application fee must accompany the application. ($35 for terms prior to fall 2000, $45 for fall 2000 and after)

Those who have attended another college or university since their last enrollment at UNCW are required to submit official transcripts from such institutions before they can be considered for readmission. **A "C" average (2.00 out of 4.00 system) must have been attained on all work attempted at other institutions since leaving UNCW.** Any student who leaves the university and does not register for at least two full semesters must apply for readmission by the application deadline date. Any student who leaves the university and does not register for only one semester need not apply for re-admission. A student who is academically ineligible or placed on warning when last enrolled, and who did not register for only one semester, must submit an application for re-admission.

Re-enrolling students who have been academically ineligible two or more times may be eligible to return only during summer session(s). They must reapply for admission consideration. Re-enrolling students who have been on academic warning or declared ineligible one time are eligible to enroll for summer and fall semester only after the dismissal period has expired and if space is available.

The Three-Year Rule

Re-enrolling degree-seeking students who have had poor academic performance at previous institutions (including UNCW) that they last attended more than three years prior to (re-)enrolling at UNCW may be eligible for exemption from certain consequences of their past performance under the three-year rule. Such students will not have to overcome a grade-point deficit based on grades earned during their earlier academic career.

To be eligible under the three-year rule, a student must be:

- a UNCW degree-seeking student who has not attended UNCW for at least three years and whose grade point average during prior attendance was below 2.00; or
- an academically-ineligible former student of an accredited college or university other than UNCW who has not attended that institution for at least three years.

In addition, if the student has attended one or more other colleges or universities during the three years prior to re-enrolling, the student must have attained a grade point average of at least 2.00 at each institution during that period.

A student admitted under the three-year rule must contract to attend UNCW for a probationary period, under the supervision of the dean appropriate to the student's major or pre-major, in which a minimum of 12 credits must be earned with at least a 2.50 grade point average and with no less than a 2.00 average in each semester or summer session during the probationary period. When all conditions of the probationary period have been met successfully, the student will then be granted regular admission to UNCW under the three-year rule.

The student's original academic record will not be altered, and the student will receive academic credit only for past courses in which grades of at least 2.00 were attained. The student's grade point average will be calculated only on those courses taken beginning with the probation-

ary period. Following the probationary period, the student will be eligible to continue at UNCW, provided that the student earns at least a 2.00 average in each subsequent semester or summer session. Degree requirements will be those in effect at the time the student begins the probationary period. The three-year rule may be exercised by students seeking (re-)admission or by currently enrolled students who meet the qualifications (for example, those who have re-enrolled as part-time students and are seeking full-time status). The rule may be exercised only once.

ADMISSIONS-SPECIAL UNDERGRADUATE STUDENTS

Any individual who already possesses a degree from a four-year accredited college and wishes to enroll for an undergraduate course at UNCW, or any individual with a degree who wishes to work toward a second baccalaureate degree, must apply to the Office of Admissions before the application deadline date. An official transcript from the degree-granting institution must be sent from that institution to the Office of Admissions by the deadline date. Second degree candidates must have transcripts from all colleges attended submitted by the application deadline date.

ADMISSIONS-PERMISSION/VISITING STUDENTS

During the summer sessions, students from other accredited colleges or universities may be admitted as visitors by using the "Summer Visitor" application. The university assumes no responsibility in determining a student's course selection when such credits are to be transferred elsewhere. Summer visitor applications and schedules are available by February of each year from the Admissions Office. Enrollment by permission from another institution in no way obligates the university to continue one's enrollment at UNCW after the expiration of the permission period. A student may not continue to attend as a permission/visitor student beyond two consecutive sessions. To apply for fall or spring semester visitor status, transfer requirements must be met. Application deadline dates apply for permission/visiting students. Transcripts of work completed at UNCW must be requested through the Registrar's Office to assure a record of academic work is sent to the home institution of permission and summer visiting students.

ADMISSIONS-SPECIAL HIGH SCHOOL STUDENTS

Selected high school seniors who wish to pursue an academic program on the collegiate level while attending high school may enroll at UNCW if they meet the qualifications for participation in this program. Because of distance, this program is available primarily to students in the Wilmington area. Special applications for admission are available in the office of the high school counselor. Students may enter this program at the beginning of the fall, spring or summer terms. Application deadline dates must be honored.

ADMISSIONS-INTERNATIONAL STUDENTS

The University of North Carolina at Wilmington welcomes interest and inquiry from international students. In addition to meeting regular freshman or transfer academic admission requirements, international students must present evidence of their ability to speak, read, and write the English language and to meet fully the financial obligations associated with their study at the university. Students from foreign countries must present the results of the TOEFL examination (Test of English as a Foreign Language) as a part of their application for admission, if English is not their native language. A financial responsibility statement and proof of accident and hospital insurance must be submitted. All materials for admission consideration must be in the Office of Admissions at least eight (8) months prior to the date of registration for the entering semester or term. International visiting and exchange students will be advised by the Office of International Programs. It is recommended that international students plan to begin their studies in a fall semester.

ADMISSIONS-SENIOR CITIZENS

Residents of North Carolina age 65 or older who meet applicable admission requirements may enroll tuition free on a space-available basis. Application fees are not waived. Students who wish to enroll under the provisions of this law should document their senior citizen status at the time of registration. The availability of class space cannot be determined until the late registration period each term.

ADMISSIONS-AUDIT STUDENTS

Students who wish to take courses without receiving credit should apply to the Office of the Registrar immediately after the semester registration date. Audit students are admitted on a "space-available" basis.

ADMISSIONS-GRADUATE STUDENTS

All inquiries concerning admission to graduate programs should be directed to the Graduate School. Admissions requirements are stated in the Graduate Catalogue.

FAST TRACK PROGRAM

See the section on "ENRICHMENT COURSES AND PROGRAMS" in this catalogue.

NONDISCRIMINATION POLICY

UNCW is dedicated to equality of opportunity within its community. Accordingly, UNCW neither practices nor condones discrimination in any form against students, employees, or applicants on the grounds of race, color, national origin, religion, gender, age, disability or veteran status. UNCW commits itself to positive action to secure equal opportunity regardless of those characteristics. For additional information, contact the Federal Compliance Officer.

SAFETY AND HEALTH PROGRAM

UNCW's safety program complies with the State Occupational Safety and Health Act of 1973.

EXPENSES

The Board of Governors of the university reserves the right to change the charges for tuition, fees and the room and board rate at any time without prior notice.

TUITION AND FEES (In effect at time of publication)

All charges for tuition and regular fees are due and payable on or before the day of registration. Checks and money orders should be made payable to the University of North Carolina at Wilmington.

Full-Time Charges Per Semester (12 or more semester hours):

	In-State Students	Out-of-State Students*
Tuition	$459.00	$4,094.00
Mandatory Fees	508.00	508.00
Total	$967.00	$4,602.00

The following student activities fees are included in the full-time tuition and fee amount per semester:

Student Services	$ 7.00	$ 7.00
Technology	40.00	40.00
Student Support	20.50	20.50
Athletic Fee	137.50	137.50
Health Services	60.00	60.00
SGA	22.50	22.50
Media	3.00	3.00
University Union	39.00	39.00
Recreation	34.00	34.00
Postal	5.00	5.00
Athletic Facilities	33.50	33.50
Cultural Events	7.50	7.50
University Union Facilities-Debt	38.50	38.50
Physical Education Facilities-Debt	10.00	10.00
Recreation-Debt	50.00	50.00
Total	$508.00	$508.00

Undergraduate students registering for 12 or more semester hours will be charged at the full-time rate as shown above. Students scheduling fewer than 12 semester hours will pay tuition and fees as follows:

Semester Hours Scheduled	In-State Students	Out-of-State Students*
1-5	$213.00	$1,122.00
6-8	484.00	2,301.00
9-11	852.00	3,579.00

*See information on residency at the end of this section

Other fees:

Late Payment of Tuition and Fees Charge (see below) $75.00
Application Fee (to accompany application, nonrefundable) 45.00
Freshman Orientation Fee 60.00
Parking Fee (Per Year) 105.00
ID Card 10.00
*Remedial Course Fee ..... In-State 80.00
Out-of-State 572.00

*This course is offered on campus through Cape Fear Community College (CFCC). Consequently, all students taking this course are required to pay tuition, fees, and charges as established by CFCC in addition to charges established by UNCW. UNCW collects these additional charges from the student and remits the amounts collected to CFCC.

No degree, diploma, transcript of credit, or grades will be furnished a student until all financial obligations to the university, other than student loans, have been paid. All previously incurred expenses and accounts at the university must be paid in full prior to preregistration or registration for a new term.

Orientation

All new UNCW freshmen, transfers, unclassified, and extension students must pay a one-time orientation fee. For the students who attend summer orientation, the fee must be paid in advance to reserve a place in the program.

Charge for Late Payment of Tuition and Fees

A late payment charge will be assessed on students that fail to pay tuition and fees by the published payment deadline. Students who have not paid tuition and fees by the deadline will be billed at their permanent addresses, and the billing will include a $75 late payment charge. These students will be given ten (10) days from the date of billing to pay tuition, fees and charges (or make appropriate arrangements for payment); otherwise their registration will be cancelled. Appeals may be made to the Late Payment Charge Appeals Committee c/o Student Accounts Manager.

TUITION SURCHARGE

Effective fall 1994, all new undergraduates seeking a baccalaureate degree at the University of North Carolina at Wilmington will be subject to a 25% tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110% of the required credit hours to complete an officially designated five-year program.

Note: The State Scholarship Program for Children of War Veterans administered by the North Carolina Division of Veterans Affairs will not cover the 25% tuition surcharge. Responsibility for the surcharge would be placed on the student.

Counted Credit Hours

The undergraduate credit hours to be counted for this requirement include: (1) all regular session degree-creditable courses taken at UNCW, including repeated courses, failed courses, withdrawals, and those dropped after the last date to add a course; and (2) all transfer credit hours accepted by UNCW. However, this calculation excludes the following credit hours: (1) those earned through the College Board's Advanced Placement (AP) and College Level Examination Program (CLEP) or similar programs; (2) those earned through institutional advanced placement, course validation, or any similar procedure for awarding course credit; and (3) those earned through the summer session or degree-credit extension division at UNCW or at another UNC institution.

Students Subject to the Surcharge

The surcharge shall be imposed on all counted credit hours in excess of the threshold defined below for each of the following three categories of undergraduates:

1. For students earning a first baccalaureate degree in a program that requires no more than 128 credit hours, the surcharge shall be applied to all counted credit hours in excess of 140.
2. For students earning a first baccalaureate degree in a Board-approved program that requires more than 128 counted credit hours, the surcharge shall be applied to all credit hours that exceed 110% of the credit hours required for the degree. Such programs in-

clude those that have been officially designated by the Board of Governors as five-year programs, as well as those involving double majors or combined bachelor's/master's degrees.

3. For students earning a baccalaureate degree other than the first, the surcharge shall be applied to all counted credit hours that exceed 110% of the minimum additional credit hours needed to earn the additional baccalaureate degree.

Students Exempt from the Surcharge

The surcharge shall not be imposed on undergraduates who:

1. Complete a first baccalaureate degree program that has not been officially designated by the Board of Governors as a five-year program and whose counted credit hours were earned in eight or fewer regular term semesters or the equivalent; or
2. Complete a first baccalaureate degree program that has been officially designated by the Board of Governors as a five-year program and take their counted credit hours in 10 or fewer regular term semesters or the equivalent.

Calculation of the Surcharge

The surcharge shall be imposed on tuition charged in the current semester and in subsequent semesters where a student's cumulative credit hour total—including that semester's courseload—exceeds the threshold. The surcharge does not apply to required fees.

ON-CAMPUS LIVING

The university has residence facilities for over 2,100 students in seven modern, conveniently located residence halls, 13 apartment buildings, and seven suite-style buildings.

All rooms are air-conditioned and furnished, and laundry facilities are available. Residence hall, apartment and suite students are required to participate in the university dining hall program under one of the four meal plans. The university operates a modern, air-conditioned cafeteria building. Short-order food service is available in the Hawk's Nest located in the University Union, and the convenience store located in apartment building M. Service is on a cash basis for non-boarding students. The housing operations are closed during Christmas, and spring breaks.

Meal Plan Options: A meal plan is required for all students living on campus. The options available are listed below. The student identification card also serves as the student meal card and must be presented at every meal. Student meal cards are not transferable to another student or guests.

1999-2000 SEMESTER BOARD RATES

Plan A: 9 meals and $110.00 food dollars = $895.00
Any 9 meals during the seven day week at Wagoner Dining Hall plus a $110 food dollars (for the semester) that can be used at the Hawk's Nest, convenience store, Little Caesar's Pizza, or for guests at Wagoner Dining Hall. Additional cash may be added to the card at the student's discretion.

Plan B: 14 meals per week and $125.00 food dollars = $968.00
Any 14 meals during the seven-day week at Wagoner Dining Hall plus a $125 food dollars (for the semester) that can be used at the Hawk's Nest, convenience store, Little Caesar's Pizza, or for guests at Wagoner Dining Hall. Additional cash may be added to the card at the student's discretion.

Plan C: 19 meals per week = $968.00
19 meals per week, three meals a day Monday through Friday, brunch and dinner on Saturday and Sunday. A $2.50 transferability will allow students to use the meal card at the Hawk's Nest for lunch Monday through Friday. Students may opt to add cash ($25 minimum) that can be used at the Hawk's Nest, convenience store, Little Caesar's Pizza, or for guests at Wagoner Dining Hall.

Block Plan: 110 meals per semester and $135.00 food dollars = $895.00
110 meals to be used any time during the semester with no meals per week restriction and $135 food dollars (for the semester) that can be used at the Hawk's Nest, convenience store, Little Caesar's Pizza, or the Court Side Snack Shop. Meals can be used for guests at Wagoner Hall. Additional cash may be added to the card at the student's discretion.

ROOM AND BOARD RATES

Room and board rates are set annually by the university's Board of Trustees during their spring meeting. The most recent set of approved rates are available from the Office of Housing and Resident Life.

Annual contracts are for the full academic year consisting of both the fall and spring semesters. Room rates include utilities, local telephone service, basic cable television service, security and housekeeping (with the exception of the apartments).

The university reserves the right to change on-campus housing rates at anytime without prior notice. A non-refundable application fee must be remitted with each completed application. New and transfer students are guaranteed on-campus housing beginning the fall semester if their completed application for housing and paid tuition deposit is postmarked no later than March 31.

1999-2000 SEMESTER ROOM AND BOARD RATES

Double Room (Belk, Galloway, Graham, Hewlett, and Schwartz)	
with 9-meal plan or block plan	$2,255
with 14-meal plan	$2,328
with 19-meal plan	$2,328
Apartment	
with 9-meal plan or block plan	$2,565
with 14-meal plan	$2,638
with 19-meal plan	$2,638
Doubles Room (Suites, International House and Honors House)	
with 9-meal plan or block plan	$2,445
with 14-meal plan	$2,518
with 19-meal plan	$2,518
Single Suites	
with 9-meal plan or block plan	$2,565
with 14-meal plan	$2,638
with 19-meal plan	$2,638

If you are interested in obtaining information regarding campus housing, please contact:

Housing and Residence Life Office
The University of North Carolina at Wilmington
601 South College Road
Wilmington, North Carolina 28403-3297
Telephone: (910) 962-3241 Fax: (910) 962-7032
Email: housing@uncwil.edu

SUMMER SCHOOL

Summer school tuition, fees, refund policy, and room and board rates will be announced in the Summer Session Bulletin.

UNCW REFUND POLICY

The university's refund policy compiles with the requirements of the university's accrediting agency and the U.S. Department of Education.

Students must follow the official withdrawal process to receive a refund under the university's policy. To officially withdraw from the university, students must complete an Official Withdrawal Form in the Registrar's Office. Any outstanding financial obligations to the university will be deducted from the amount refunded.

REFUNDS—TUITION AND FEES, ROOM AND BOARD

A student who officially withdraws from the university on or before the last day of registration (drop/add) period will receive a refund of the amount paid. Refunds are based on the date contained on the Official Withdrawal Form.

Students withdrawing after the drop/add period will receive refunds as follows:

Date of Withdrawal	Refund Percentage
After drop/add but prior to first 10% of the enrollment period	90%
Between the first 10% and the end of the first 25% of an enrollment period	50%
Between the first 25% and the end of the first 50% of the enrollment period	25%

No refunds will be made for withdrawals after the end of the first 50% of the enrollment period.

Declining balance portions of board plans will be refunded separately.

This refund policy applies to complete withdrawals from UNCW. Students who simply reduce their course load after the drop/add period receive NO refund or reduction of fees whatsoever.

Summer School

Because of the short duration of summer school sessions, summer school charges are not refundable after the drop/add period. However, financial aid recipients will receive a refund in accordance with the schedule noted above.

RESIDENCE STATUS FOR TUITION PURPOSES

The basis for determining the appropriate tuition charge rests upon whether a student is a resident or a nonresident for tuition purposes. Each student must make a statement as to the length of his or her residence in North Carolina, with assessment by the institution of that statement to be conditioned by the following:

Residence. To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least twelve months immediately prior to classification. Thus, there is a distinction between legal residence and residence for tuition purposes. Furthermore, twelve-months legal residence means more than simple abode in North Carolina. In particular it means maintaining a domicile (permanent home of indefinite duration) as opposed to "maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education." The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant for such classification, who must show his or her entitlement by the preponderance (the greater part) of the residentiary information.

Initiative. Being classified a resident for tuition purposes is contingent on the student's seeking such status and providing all information that the institution may require in making the determination.

Parents' Domicile. If an individual, irrespective of age, has living parent(s) or court-appointed guardian of the person, the domicile of such parent(s) or guardian is, prima facie, the domicile of the individual; but this prima facie evidence of the individual's domicile may or may

not be sustained by other information. Further, nondomiciliary status of parents is not deemed prima facie evidence of the applicant child's status if the applicant has lived (though not necessarily legally resided) in North Carolina for the five years preceding enrollment or re-registration.

Effect of Marriage. Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstances insure that a person will become or continue to be a resident for tuition purposes. Marriage and the legal residence of one's spouse are, however, relevant information in determining residentiary intent.

Furthermore, if both a husband and his wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the twelve-month requirement for in-state tuition status.

Military Personnel. A North Carolinian who serves outside the state in the armed forces does not lose North Carolina domicile simply by reason of such service. Students from the military may prove retention or establishment of residence by reference, as in other cases, to residentiary acts accompanied by residentiary intent.

In addition, a separate North Carolina statute affords tuition rate benefits to certain military personnel and their dependents even though not qualifying for the in-state tuition rate by reason of twelve-months legal residence in North Carolina. Members of the armed services, while stationed in and concurrently living in North Carolina, may be charged a tuition rate lower than the out-of-state tuition rate to the extent that the total of entitlements for application tuition costs available from the federal government, plus certain amounts based under a statutory formula upon the in-state tuition rate, is a sum less than the out-of-state tuition rate for the pertinent enrollment. A dependent relative of a service member stationed in North Carolina is eligible to be charged the in-state tuition rate while the dependent relative is living in North Carolina with the service member and if the dependent relative has met any requirement of the Selective Service System applicable to the dependent relative. These tuition benefits may be enjoyed only if the applicable requirements for admission have been met; these benefits alone do not provide the basis for receiving those derivative benefits under the provisions of the residence classification statute reviewed elsewhere in this summary.

Grace Period. If a person (1) has been a bona fide legal resident of the required duration, (2) has consequently been classified a resident for tuition purposes, and (3) has subsequently lost North Carolina legal residence while enrolled at a public institution of higher education, that person may continue to enjoy the in-state tuition rate for a grace period of twelve months measured from the date on which North Carolina legal residence was lost. If the twelve months ends during an academic term for which the person is enrolled at a state institution of higher education, the grace period extends, in addition, to the end of that term. The fact of marriage to one who continues domicile outside North Carolina does not by itself cause loss of legal residence, marking the beginning of the grace period.

Minors. Minors (persons under 18 years of age) usually have the domicile of their parents, but certain special cases are recognized by the residence classification statute in determining residence for tuition purposes.

(a) If a minor's parents live apart, the minor's domicile is deemed to be North Carolina for the time period(s) that either parent, as a North Carolina legal resident, may claim and does claim the minor as a tax dependent, even if other law or judicial act assigns the minor's domicile outside North Carolina. A minor thus deemed to be a legal resident will not, upon achieving majority before enrolling at an institution of higher education, lose North Carolina legal residence if that person (1) upon becoming an adult "acts, to the extent that the person's degree of actual emancipation permits, in a manner consistent with bona fide legal residence in North Carolina" and (2) "begins enrollment at an institution of higher education not later than the fall academic term following completion of education prerequisite to admission at such institution."

(b) If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If under this consideration a minor is deemed to be a resident for tuition purposes immedi-

ately prior to his or her eighteenth birthday, that person on achieving majority will be deemed a legal resident of North Carolina of at least twelve-months duration. This provision acts to confer in-state tuition status even in the face of other provisions of law to the contrary; however, a person deemed a resident of twelve-months duration pursuant to this provision continues to be a legal resident of the state only so long as he or she does not abandon North Carolina domicile.

Lost but Regained Domicile. If a student ceases enrollment at or graduates from an institution of higher education while classified a resident for tuition purposes and then both abandons and reacquires North Carolina domicile within a twelve-month period, that person, if he or she continues to maintain the reacquired domicile into re-enrollment at an institution of higher education, may re-enroll at the in-state tuition rate without having to meet the usual twelve-month durational requirement. However, any one person may receive the benefit of this provision only once.

Change of Status. A student admitted to initial enrollment in an institution (or permitted to re-enroll following an absence from the institutional program which involved a formal withdrawal from enrollment) must be classified by the admitting institution either as a resident or as a nonresident for tuition purposes prior to actual enrollment. A residence status classification once assigned (and finalized pursuant to any appeal properly taken) may be changed thereafter (with corresponding change in billing rates) only at intervals corresponding with the established primary divisions of the academic year.

Transfer Students. When a student transfers from one North Carolina public institution of higher education to another, he or she is treated as a new student by the institution to which he or she is transferring and must be assigned an initial residence status classification for tuition purposes.

Appeal. The initial classification of undergraduate students as in-state or out-of-state residents for tuition purposes is made by the Admissions Office. Appeals for in-state status may be made to the campus appeals body, Out-of-State Tuition Appeals Committee. University regulations governing residential classification of students are set forth in detail in *A Manual to Assist the Public Higher Education Institutions of North Carolina in the Matter of Student Residence Classification for "Tuition Purposes."* Each enrolled student is responsible for knowing the contents of this manual. Copies of the manual are available for inspection upon request in the Admissions Office and in Randall Library.

FINANCIAL AID

The primary mission of the Office of Financial Aid and Veteran Services is to assist prospective and currently enrolled students, and their families, to identify and secure financial assistance for the purpose of gaining access to UNCW and obtaining a degree or certificate. To this end, we administer federal, state and institutional student financial aid programs in excess of $25 million to assist UNCW students.

Eligibility for the majority of our programs is determined using the U.S. Department of Education's Federal Methodology. Most gift aid is need based. However, a significant amount of non-need based funding is also available primarily in the form of loans. UNCW offers assistance in the form of scholarships, grants, loans, Federal Work-Study jobs or a combination of these programs.

To apply for financial aid, a student must complete a *Free Application for Federal Student Aid (FAFSA)*. Some students must submit other documentation as requested by the Financial Aid Office. Continuing students must be making satisfactory academic progress as determined by the Financial Aid Office to receive aid. Questions concerning financial aid at UNCW should be directed to the Financial Aid Office. The office is located on the first floor of James Hall.

Office: (910) 962-3177 FAX: (910) 962-3851 Sea Line (910) 962-4246
E-mail: finaid@uncwil.edu
World Wide Web site at http://www.uncwil.edu/finaid
Veterans Services E-mail: veterans@uncwil.edu

*Students accepted as "Unclassified" are only eligible for alternative loans. Students pursuing additional undergraduate studies beyond their first bachelor's degree should contact the Financial Aid Office for information regarding eligibility requirements.

GRANTS

The Federal Pell Grant Program provides grants for students who show exceptional need for assistance in attending college. This grant is intended to cover the period required to complete the requirements for a first baccalaureate degree. Students must be making satisfactory progress in their academic program. In addition, a student must be a U.S. citizen or an eligible non-citizen. Awards are based on the Federal Methodology.

The Federal Supplemental Educational Opportunity Grant (FSEOG) Program provides aid to students who show exceptional need for assistance in attending college. To be eligible for an FSEOG, a student must be enrolled in a degree program and must be a U.S. citizen or an eligible non-citizen. Priority consideration is first given to students who are eligible for a Federal Pell Grant.

The Minority Presence Grant Program—General Program —The university will continue to fund the Minority Presence Grant Program—General Program, Part I and Part II. The university will allocate this money to historically white and historically black institutions to aid them in recruiting financially needy North Carolina students who would be minority presence students at the respective institutions by enabling the institutions to offer relatively more aid for minority presence students in the form of grants rather than loans. General Program Part I includes funds for minority presence grants for students attending the North Carolina Central University School of Law. General Program Part II consists of grant funds for Native Americans, Hispanics, and Asians.

Under the Board of Governors general Minority Presence Grant Program, minority students may be eligible for special financial assistance at UNCW if they are residents of North Carolina, are enrolled for at least three hours of degree credit course work, and demonstrate financial need.

At UNCW, Minority Presence Grant Program Part I funding is available for Black students and Minority Presence Grant Program Part II funding is available for Native American, Hispanic and Asian students.

Incentive Scholarship and Grant Program for Native Americans is a state funded program established by the General Assembly of North Carolina. The program was established to increase Native American enrollment at the constituent institutions of the University of North Carolina. Eligibility is limited to degree students who maintain cultural identification as an American Indian through membership in an Indian tribe recognized by the state of North Carolina or by the federal government or through other tribal affiliation or community recognition. Contact the Financial Aid Office for an application.

The North Carolina Student Incentive Grant Program is administered by College Foundation, Inc., for legal residents of North Carolina accepted or enrolled full time and in good standing in an undergraduate program of study. Students must demonstrate substantial financial need as determined through the Federal Methodology. Students should submit the completed federal application as early as possible, but not later than March 1; later filers will be considered if funds are available.

UNCW Grants are awarded to North Carolina residents who demonstrate significant financial need, based on Federal Methodology, and who apply early. Since these funds are limited, later filers will be considered only if funds are available. Students who file the FAFSA will automatically be considered for these awards.

Athletic Grants-In-Aid are awarded to qualified students by the UNCW Athletic Department. Additional information may be obtained by writing to the director of Athletics.

The North Carolina National Guard Tuition Assistance Program is a state-funded tuition assistance program for active members of the North Carolina Guard. This program will award eligible guardsmen up to $1,000 per academic year for a maximum of four years. For additional information contact: Office of the Adjutant General, North Carolina National Guard, Attn.: AGRR, 4105 Reedy Creek Road, Raleigh, N.C. 27611, (919) 664-6000.

Out-of-State Students should contact their state agencies, responsible for state grants, to obtain information about transferability of these funds to out-of-state institutions.

SCHOLARSHIPS

UNCW has a limited number of scholarships that have been generously donated in honor of individuals or organizations. Each of these scholarships has specific and unique criteria. While some are available to one or more students each academic year, others only become available after the current recipient has graduated. Because competition for scholarships is intense, merit scholarships are usually available only to the most outstanding new freshmen and continuing students.

Unless otherwise noted, students may complete an application from our website or request one from the Financial Aid Office beginning in November for the following academic year. The scholarship application deadline is February 15th. When the notation "No application" appears, students will be automatically considered from university records. Scholarships designated "Honors" are for select students accepted into the UNCW Honors Program. Those students will be contacted by the Honors Program with further information. If financial need is part of the eligibility criteria, all required financial aid forms need to be filed. Most scholarships are awarded in the late spring or early summer for the upcoming academic year.

The Alumni Association Academic Scholarship Program provides nine $1,500 per year renewable scholarships, including the Gerald H. Shinn Scholarship. Selection is based on academic achievement, school and community involvement, and financial need. The winner of the Gerald H. Shinn Scholarship receives an extra $500 to be used to purchase books. Applicants may be classified as in-state or out-of-state. Applications may be obtained from the UNCW Alumni Relations Office in January and must be completed and returned to that office by the March deadline. Please refer to application for exact date.

Bedford Fair Endowed Scholarship provides a scholarship to an incoming freshman from a public high school in New Hanover County. Students should have made a contribution to their community through volunteer or service activities, have a proven academic average of 3.00 or better, and have established financial need by applying through the regular financial aid process. This scholarship may be continued with a 3.00 cumulative GPA at UNCW; therefore, it may only

become available after the current recipient has graduated. Contact the guidance counselor or UNCW Financial Aid Office.

Blackburn Brothers, Inc. Scholarship is awarded annually to assist with in-state tuition and fees. The scholarship shall be awarded yearly to a student who has lived at and had an address at Carolina Beach for the two years prior to applying for the scholarship. All recipients must have completed high school in New Hanover County. The scholarship is based on documented financial need and a record of community or school involvement. The award is for one year but may be continued. Contact your guidance counselor or the Financial Aid Office for an application.

William J. Boney Memorial Scholarship is awarded to a UNCW student who graduated from a North Carolina high school. The scholarship is merit based and is intended to assist, recruit, and retain academically strong students who also demonstrate leadership potential. Financial need may be a secondary consideration.

The Cape Fear Mini Storage, Inc. Scholarship is awarded annually to assist with in-state tuition and fees. The recipient must be a graduate of a high school in New Hanover County and live in one of the complexes managed by the Housing Authority of Wilmington. The scholarship is based on need and a record of community or school involvement. Contact the Financial Aid Office for an application.

The Eliza Collins Scholarship is awarded yearly by the Financial Aid Office to several students who demonstrate scholastic ability and need. No application.

The Emmett and Gladys Corbett Scholarship is intended to be a merit scholarship to recruit and retain academically strong students. The award is valued at $1,000 per academic year. Recipients may be eligible to receive the award for four years based on satisfactory merit progress. No application is necessary.

The Champion McDowell Davis Scholarship is available to students from any major. This scholarship covers in-state tuition and fees, books, and other select expenses and is awarded to students based on academic achievement, leadership potential, and demonstrated financial need. A selection committee is charged with choosing the recipients. This scholarship may be continued; therefore, it may not be available every year.

Dr. A. P. and Frances Dickson Scholarship is awarded annually to a full-time undergraduate student who currently resides in Hoke County, North Carolina. Recipients are chosen by the Financial Aid Office on the basis of academic standing and financial need. Awards are nonrenewable and vary in amount according to income available from the trust.

Matthew Dale Donahue Scholarship Fund is available to a freshman or sophomore student who is a graduate of a New Hanover County or a southeastern North Carolina high school. The recipient will be selected based on documented financial aid need as determined by federal guidelines.

Dr. Hubert A. Eaton Scholarship is awarded annually to a graduate of any accredited high school in New Hanover County. Students must meet the following criteria: achieve a cumulative grade point average of 3.00 or higher, demonstrate a record of leadership, school and community service, and maintain a 3.00 GPA or higher for scholarship renewal. Where candidates are substantially equal in qualifications, the choice shall be determined by need. Contact the Financial Aid Office or the high school guidance counselor.

Rachel Freeman Scholarship is awarded to a full-time minority student who has demonstrated leadership qualities, a record of community involvement, and the transcendence of personal hardship. Additionally, the scholarship is restricted to graduates of high schools in New Hanover, Bladen, Pender, Columbus, Onslow, Sampson, or Duplin counties. The recipient will be expected to have researched information concerning Mae Rachel Freeman and her contributions to the community and is required to submit three letters of reference. Incoming recipients must have an overall high school average (GPA) of 2.80 on a 4.00 scale. Currently enrolled university students must have a 2.80 GPA on all college/university academic work.

The Friends of UNCW Scholarship is a merit-based scholarship intended to allow the university to recruit and retain academically strong students. The recipient must be a North Carolina high school graduate and will be selected on criteria determined by the university. The scholar-

ship is valued at $1,000 per academic year and the recipient may be eligible to receive the award for four years.

Eddie Godwin III Memorial Scholarship of $1,000 is awarded to a graduate of New Hanover High School. Applicants must be able to demonstrate financial need through the regular financial aid process. Applicants should also show evidence of self-help and acceptable academic standing. Though not required, athletic participation at the high school level is desirable. Because the scholarship may be renewed based on scholastic performance, a new recipient may not be named every year. Contact the Guidance Office at New Hanover High School or the Financial Aid Office for an application.

The Guilford Mills Scholarship will be awarded to a Guilford Mills regular associate or the child of Guilford Mills regular associates. The scholarship covers in-state tuition and fees and room and board. The recipients must be majoring in business administration or computer science. Applications must be received by mid-March each year. Contact Guilford Mills for an application.

The Mary Courtney Hardison Scholarship is intended for female freshman students who are graduates of any accredited high school in New Hanover County. Preference will be given to female students who have been active in high school activities, including organized athletics. Recipient(s) shall be selected based on a combination of academic achievement and demonstrated financial need. Contact guidance counselor or Financial Aid Office for application.

The Henry Harrell, Sr. Scholarship is awarded annually to North Carolina students who have a grade point average of 3.00 or better and have an exceptional financial need. No application.

Adrian D. Hurst Scholarship provides support to assist with tuition and fees for a rising full-time junior, senior, or graduate student who has declared a major in mathematics or a full-time student enrolled in the pre-engineering transfer program. The recipient may reapply for consideration but eligibility shall be limited to four semesters.

The George Henry Hutaff Honors Scholarship Fund is intended to provide scholarships for students enrolled in the Honors Program and will be administered by the Director of the Honors Program. No application. (Honors).

The Interroll Corporation Scholarship will be awarded annually to a dependent of an Interroll employee. If no eligible student applies for the scholarship, it may be awarded to a student from southeastern North Carolina. The scholarship is valued at one half of published tuition and fees for non-employee children and full tuition and fees for employee children.

Jefferies and Faris Associates Merit Scholarship is intended to provide a tuition and fees scholarship to an undergraduate UNCW student. Because the scholarship is renewable contingent on continuing satisfactory progress, a new recipient may not be named every year.

The Annie Ross King Memorial Scholarship is an in-state tuition and fees merit scholarship available to students graduating from a New Hanover County high school. It is intended to recruit and retain academically strong students who have documented financial need. Students can be entering or enrolled students. No application. (Honors).

The H.M. & Pearl Kyle Foundation Scholarship is awarded annually to a worthy and deserving student. It is the intent of the donors that the scholarship be awarded to a person who can establish some sense of need and who is from eastern North Carolina or eastern South Carolina. Because the scholarship may be renewed on the strength of academic performance and continued need, a new recipient may not be named every year.

The Landmark Homes Merit Scholarship is intended to provide undergraduate academic scholarships for students who desire to enroll in the university Honors Program. First preference in awarding the scholarship will be given to a high school student from New Hanover, Pender, Columbus, and Brunswick Counties in North Carolina and Horry County, South Carolina. The acceptance of the scholarship is conditional on the student's promise to contribute to the scholarship fund after graduation. No application. (Honors).

The Hans Langhammer Scholarship is an in-state tuition and fee scholarship designed to enhance the minority presence on the UNCW campus. The scholarship is available to students

in any academic discipline. Consideration will be given to financial need and academic potential. This scholarship may be renewed; therefore, it may not be available every year.

The Devereux Haigh Lippitt Scholarship is awarded annually to a North Carolina student based on academic achievement. This scholarship covers the in-state cost of tuition and fees and is given in memory of Devereux Haigh Lippitt by his family. This scholarship may be renewed; therefore, it may not be available every year.

The Margaret Walthour Lippitt Scholarship is awarded to a student who has received the New Student Leader Award. Recipients shall be selected by the Leadership Center.

James Lee Love Scholarship is awarded annually to a full-time North Carolina resident undergraduate student. Recipients are chosen by the Financial Aid Office on the basis of academic standing and financial need. Awards are nonrenewable and vary in amount according to income available from the trust.

The Lucile Murchison Marvin Scholarship is awarded each year to a student who has a grade point average of at least 3.00 and who demonstrates scholarship ability and financial need. This scholarship may be renewed; therefore, it may not be available every year.

The M.I.K.E. Scholarship, established by Congressman Mike McIntyre, is awarded annually to incoming freshmen who have excelled in the four distinct areas represented in the award's title: **m**oral force of character, **i**nspired leadership, **k**nowledge and superior academic performance, and **e**xemplary citizenship. The recipient will receive a one-time grant of $500.

The Dr. Robert A. Moore, Jr. Merit Scholarship is to assist in attracting academically gifted students. No application.

National Spinning Company provides a scholarship award for a student who is a child of an eligible National Spinning Company employee. If there are no students who are children of National Spinning employees to apply, the scholarship may be awarded to a student from southeastern North Carolina.

The NationsBank Merit Scholarship will be awarded each year to students in the UNCW Honors Program. No application. (Honors).

The New Hanover Regional Medical Center Auxiliary Sylvia Brown Scholarship of $500 is awarded each year to a student pursuing studies in a health-related field. Candidates must be graduates of a New Hanover County high school, be of good character, and be active in school and community activities. Entering freshmen must be in the top 10 percent of their graduating class and have scored at least 1200 on the SAT. In the event that more than one student qualifies academically, need shall be a determining factor. This scholarship is renewable contingent on continuing satisfactory academic progress. Consequently, this scholarship may not be open each year to new candidates.

The John and Constance K. Phillips Scholarship is available to students from any major with a preference to non-traditional students. This scholarship covers tuition and fees, and is awarded to students based on academic achievement with a commitment to complete their education and a demonstrated financial need. Recipients will be known as Phillips Scholars. The recipients will be chosen by the Office of Financial Aid.

John Pollock Scholarship is intended to provide support to students who are graduates of the Lake Waccamaw Boys and Girls Home who are enrolled as full-time students at UNCW. Recipients of the scholarship will be provided tuition, fees, and an annual book allowance. The scholarship and benefits are limited to eight semesters.

The Eva McMillian Ross Scholarship provides an annual award to a female who is a New Hanover County high school graduate with a 3.50 or better grade point average. The scholarship is renewable if a 3.20 grade point average is maintained.

The Wilmington East Rotary Club Scholarship is a merit scholarship subject to the criteria and guidelines adopted by the university. Recipient shall be an incoming freshman who has graduated from an accredited high school in New Hanover County or a New Hanover County student who has attained a high school equivalency grade.

The Wilmington West Rotary Club Scholarship is intended to attract and retain academically strong students and is awarded to a student from southeastern North Carolina based on academic achievement. The student may be considered for renewal with a minimum 3.00 GPA.

The Seventh Son Scholarship is funded annually to be given to a single parent who has at least one child, under the age of 10 living with him/her. No restrictions apply.

The North Carolina Sheriff's Association Undergraduate Criminal Justice Scholarship is an annual nonrenewable scholarship awarded on the basis of financial need and academic achievement. First preference goes to an applicant who is a son or daughter of any law enforcement officer killed in the line of duty. Second preference will be given to a son or daughter of any sheriff or deputy sheriff who is deceased, retired, or currently active in N.C. law enforcement. Third preference shall be given to any N.C. resident criminal justice student who has financial need and demonstrates academic achievement. Contact the Financial Aid Office for further information.

The Aaron and Elizabeth Silverman Scholarship Fund provides in-state tuition and fees scholarships to academically strong students. Scholastic achievement and graduation from an accredited North Carolina high school are the only criteria. The scholarship(s) can be awarded to a prospective student or to those students currently enrolled.

The C. M. and M. D. Suther Scholarship is awarded annually to deserving high school graduates who would not otherwise be able to attend college. The scholarship amount will be approximately $950 annually. Applicants must be N.C. residents with a 3.00 GPA or, in the case of an entering freshman, be in the top 25 percent of their graduating class.

The UNCW Foundation Honors Scholarship is intended to support scholarships for students enrolled or accepted in the campus Honors Program. Recipients must meet and continue to meet the requirements determined by the Honors Program director.

The UNCW Foundation International Scholarship is intended to provide scholarship support for currently enrolled international students or those international students who intend to enroll in a degree program at UNCW. Recipients must meet and continue to meet the requirements as determined by the director of International Programs.

The Dr. L. W. Upperman Scholarship is awarded annually to an incoming freshman resident of North Carolina to enhance minority presence at UNCW. Recipients with demonstrated interests in African-American heritage are selected by members of the faculty. Preference is given to students admitted to the University Honors Program. The scholarship is renewable for up to four years and is approximately $5,000 per academic year.

The Elizabeth Dudley Urquhart Memorial Scholarship Fund provides scholarship assistance to an academically talented student who demonstrates financial need. The recipient must have completed the last two years of high school in a New Hanover County public school.

Robert F. and Catherine Warwick Scholarship Fund is available to UNCW students who have graduated from a New Hanover County high school. The scholarship will be awarded on the basis of involvement in the Fellowship of Christian Athletes, evidence of leadership potential, moral force of character, scholastic ability, and documented financial need. Contact guidance counselor or Financial Aid Office.

The Donald R. Watson Scholarship is restricted to UNCW students who graduated from a North Carolina high school. Recipients are selected on the basis of leadership potential and academic achievement. The award will be for one year; however, the student may reapply contingent on academic performance.

The Betty Jo Welch Communication Studies Alumni Scholarship is intended to provide an annual scholarship for a junior or senior majoring in communication studies to assist with tuition and fees. The recipient must demonstrate an overall scholastic achievement of 3.20 GPA or higher and must show a demonstrated financial need and a commitment to leadership and service with the campus community. Candidates for the scholarship will be asked to submit a brief summary of their accomplishments relevant to the selection criteria during the spring session.

The Sally R. Wilkins Scholarship, established by The Wilmington Business and Professional Women's Club, is awarded annually and is restricted to female students pursuing a business or professional career. The scholarship is designed for students having a demonstrated financial need and a clearly designed academic goal. The value of the scholarship will be determined based on annual earnings of the scholarship fund. The scholarship is non-renewable.

The Wilmington Claims Association Scholarship is awarded to members of the association or children, dependent step-children, or legally adopted children of the membership. Recipients must be full-time students and must maintain a 2.00 GPA. Contact the Financial Aid Office for information.

Wilmington Coca-Cola Scholarship Fund is intended to provide assistance to undergraduate and graduate students majoring in the humanities. Recipients will be selected based on character, leadership and demonstrated financial need. Consideration will also be given to candidates who have shown evidence of self-help.

The Wilmington Women's Club Scholarship is awarded to a New Hanover County high school graduate who demonstrates academic achievement and financial need. A recipient may continue to receive this scholarship if a 3.00 grade point average is maintained; therefore, a new recipient may not be named every year.

COLLEGE OF ARTS AND SCIENCES SCHOLARSHIPS

Students may contact the appropriate academic department for the following scholarships. In some cases, no application is necessary; students will automatically be given consideration.

The William F. Adcock, Jr. Music Scholarship is awarded to a student who plans to graduate from UNCW with a major in music and who has no more than 36 hours to complete before graduation. The award will be based upon overall excellence in music, above-average academic record, and acceptable performance standards.

The Franklin H. Allen Scholarship is awarded to a rising senior in biology on the basis of grade point average and other evidence of achievement; the recipient is chosen by a faculty committee.

The T. Earl Allen, Jr. Scholarship is awarded to a physical education major of junior or senior standing on the basis of scholarship and community service. The recipient is chosen by a Department of HPER faculty committee. This scholarship is given in memory of T. Earl Allen, Jr. by his family and friends.

The Applied Analytical Industries Chemistry Scholarship is a $2,000 annual in-state tuition, fees, and book allowance scholarship established for a senior chemistry major who has demonstrated excellence in analytical chemistry. The faculty of the Department of Chemistry will recommend each year's recipient to the chairperson of the department.

The Sankey L. Blanton Scholarship was established in the Philosophy and Religion Department by Sankey L. Blanton III. A scholarship will be given to a non-traditional student in the department based on financial need, academic merit, leadership, and character. Contact the Department of Philosophy and Religion.

The Charles and Kay Bolles Marine Biology Scholarship is awarded annually to a marine biology major. The scholarship will be awarded with merit as a first consideration and need as a secondary consideration. Contact the chairperson of the Department of Biological Sciences concerning application process.

The Dovie P. Bowden Scholarship is awarded to a biology or marine biology student of junior standing on the basis of scholarship and need by the Department of Biological Sciences.

The J. Rupert Bryan Scholarship is awarded to a political science major with financial need. Candidates must be able to demonstrate creativity, curiosity, and academic worthiness.

The Kathleen Price Bryant Scholarship in Art and Theatre applicants shall have a declared major under the Department of Art and Theatre and have a 3.00 GPA. The scholarship is awarded in full in the fall, and shall not exceed $750 per recipient. The scholarship is renewable. Recipients are chosen by a committee chaired by the department chair and made up of four faculty members in the Department of Art and Theatre.

The Cape Fear Garden Club, Inc. Scholarship is awarded to a rising junior who has declared a major in biological sciences. The recipient must have at least a cumulative 3.00. The recipient shall be selected by a committee determined by the chair of the Department of Biological Sciences.

The Helena R. Cheek Memorial Scholarship is awarded by the Department of Foreign Languages and Literatures to a student who demonstrates special ability in the area of foreign

language study and overall academic excellence. This scholarship is given in memory of Helena R. Cheek by her family and friends.

The John Colucci Memorial Scholarship is restricted to marine biology students. Recipient is identified by the department and may be awarded to graduate or undergraduate students. Amount will be determined by income. Contact the Department of Biological Sciences.

The J. Marshall Crews Scholarship is awarded annually to a major in the Department of Mathematics and Statistics. Selection is based upon academic excellence, extracurricular activities, and faculty recommendation. Applicants seeking further information should contact the Department of Mathematics and Statistics.

The Glaxo Women in Science Scholarship has been established to encourage women to enter the sciences. Recipients must have a 3.00 GPA and have a goal of entering the sciences for a career. Recipients will be assigned a woman mentor at Glaxo Industries. No application is necessary. Selection is made by committee.

The Benjamin R. and Edith B. Graham Scholarship is awarded annually to a marine biology and an education major who graduated from an accredited southeastern North Carolina high school. The award shall be based on academic achievement with financial need being a secondary factor. Inquiries should be made to the chairperson of the appropriate major department.

The Louise Jackson Green Scholarship is a $2,000 award per academic year and will be given to an English major based on merit as a first priority, with exemplary moral character and leadership potential serving as secondary considerations. The student must be a formally declared English major with a concentration in literature and language and must be a rising junior or senior. The recipient shall be chosen by the Department of English.

The Jay Hensley Scholarship was established for the purpose of recognizing academic merit in the area of marine science. The scholarship will be awarded to a junior or senior full-time undergraduate student. First preference will be given to a high school student from New Hanover, Pender, Columbus, and Brunswick Counties in North Carolina and Horry County, South Carolina. Contact the Department of Biological Sciences.

The Jazz Awards are available to students who participate in the UNCW Jazz Ensembles and who are actively involved in the Jazz Program. Awards range from $250 to $500.

The Charles R. Long Scholarship is awarded to student(s) majoring in accountancy or philosophy and religion. Scholarship(s) will be awarded based on a prospective student's need and academic potential as first priority. Leadership potential and citizenship shall be considered as additional factors in the selection process. Value of the scholarship will be determined based on annual earnings. Students should contact appropriate department concerning application process.

The Eunice T. and Marguerite B. MacRae Scholarship provides an in-state tuition and fees scholarship to a student in foreign languages and literatures. The recipient will be selected by the Department of Foreign Languages and Literatures.

The Herbert and Shirley Mintzes Memorial Scholarship is awarded to the rising sophomore with the highest standing in the Principles of Biology course (BIO 110); the recipient is chosen by the course instructors.

The Music Department Scholarship is awarded annually to a freshman planning to major in music. Should no freshman qualify, the awards will go to upperclass music majors. The amount of each award is approximately $500.

The Lewis E. Nance Chemistry Fellowship is an annually awarded merit based scholarship intended to provide assistance with tuition, fees, supplies, books, and living expenses. The recipient must be enrolled as a full-time chemistry graduate student. Recipients of this fellowship are eligible to reapply if their grade point average and performance is competitive with those of other candidates applying to the fellowship.

The New Hanover/Pender Medical Society Scholarship is designed for UNCW students enrolled in the pre-medical program. The $500 scholarship is coordinated by the chair of the UNCW Department of Chemistry and is designed to assist students preparing for medical school. No application.

The New Hanover Regional Medical Center Auxiliary Scholarship provides an annual award to a student majoring in a health-related field. Academic merit and participation in ex-

tracurricular activities are the primary criteria, used with financial need being a secondary factor in selecting the recipient. No application.

The A. Carl Nelson Scholarship is awarded each year by the faculty of the Department of Mathematics and Statistics. Selection criteria include academic excellence and extracurricular activities. Inquiries should be directed to the chairperson of the Department of Mathematics and Statistics.

The Philosophy and Religion Scholarship is awarded on the basis of academic achievement by the Department of Philosophy and Religion to one or more departmental majors for use in defraying academic expenses. The recipient is chosen by a faculty committee.

The Ernest Stephen Prevost Scholarship is awarded to an undergraduate student majoring in chemistry. The recipient will be selected based on a demonstrated financial need and proven academic ability. For information, contact the chairperson of the Department of Chemistry.

The Anne Green Saus Scholarship is awarded annually to an English major with a concentration in literature and language. The scholarship will be awarded with merit as first consideration and need as a secondary consideration. The scholarship will be valued at the in-state tuition and fee rate in effect at the time of award plus a $200 book allowance. The recipient shall be chosen by the English Department.

The String Instrument Music Scholarship for Violin or Viola is awarded to a student enrolled in as a music major with a concentration in the study of violin or viola performance.

The Fred Toney Scholarship is awarded each year based upon balloting by the faculty of the Department of Mathematics and Statistics. Criteria include academic excellence and extracurricular activities. Inquiries should be directed to the chairperson of the Department of Mathematics and Statistics.

The UNCW Spirit Band Scholarships are awarded to music and non-music majors for participation in the UNCW Pep Band.

The James E. L. Wade Scholarships in history and political science are awarded to high school seniors who have a B average or above on high school work, an interest in history or political science as a major, and financial need. For additional information, contact the appropriate department.

The Wilmington Arts Association Scholarship is awarded to a junior or senior majoring in the arts division of the Department of Art and Theatre. Academic excellence and artistic merit will be criteria for determining recipients. No application.

The Wright Corporation Scholarship is awarded to a chemistry major. Students interested in applying for this scholarship should contact the chairperson of the Department of Chemistry.

The R.F. Zimmerman/South Atlantic Services Scholarship is awarded annually to a chemistry major. The award includes in-state tuition, fees, and a book allowance. The recipient will be selected on the basis of academic achievement and documented financial need, as well as good character and leadership potential. No application necessary.

CAMERON SCHOOL OF BUSINESS SCHOLARSHIPS

Students may contact the Cameron School of Business for information regarding the following scholarships:

Branch Banking and Trust (BB&T) (Business) scholarships are awarded annually to rising juniors or seniors majoring in a business discipline.

The Thomas J. Burke Scholarship is awarded annually to an undergraduate student on the basis of scholastic ability, demonstrated leadership qualities, and recommendation by the faculty.

The Roger P. Hill Scholarship is awarded annually to a rising junior or senior business student on the basis of scholastic ability, character, and recommendations by the faculty. Special consideration is given to non-traditional students beginning or returning to academic study.

Hughes Brothers, Inc. Scholarship is awarded annually to an incoming freshman who plans a business concentration and covers tuition, fees, books, housing, and meals. The schol-

arship criteria are: 1) graduated from an approved North Carolina high school, 2) academic ability, 3) need, and 4) high potential for leadership. Contact Financial Aid Office or high school guidance counselor.

The Independent Insurance Agents of North Carolina (IIANC) Scholarship is awarded to a rising junior or senior in the Cameron School of Business with a demonstrated interest towards a career in insurance, and a resident of North Carolina.

The J. W. Jackson Scholarships are awarded annually to rising junior, senior, or graduate students in the Cameron School of Business. The scholarship is designed for students with high academic potential. Students awarded this scholarship are eligible to reapply.

The June and Turner Johnson Scholarship shall be considered a need based scholarship subject to the criteria and guidelines adopted by the university in determining financial need. The scholarship is limited to graduates from one of the New Hanover County high schools (public or private). The student must be accepted into the Cameron School of Business and must have chosen to major in accountancy.

Mary R. King Memorial Scholarship is a merit-based scholarship for female students who are rising juniors or seniors in the Cameron School of Business. It is valued at in-state tuition and fees. Selection is based on all work attempted at UNCW.

The Charles R. Long Scholarship is awarded to student(s) majoring in accountancy or philosophy and religion. Scholarship(s) will be awarded based on a prospective student's need and academic potential as first priority. Leadership potential and citizenship shall be considered as additional factors in the selection process. Value of the scholarship will be determined based on annual earnings. Students should contact the appropriate department concerning application process.

The Lower Cape Fear Human Resources Association Scholarship, established for students planning to concentrate in the study of management, is awarded annually on the basis of scholastic ability, financial need and recommendations by faculty. For information and application forms, contact the chairperson of the Department of Management and Marketing.

The Peoples Savings Bank Scholarship is awarded annually. Preference is given to students concentrating in economics or finance and to those who are high school graduates from New Hanover or Pender Counties.

The Purchasing Management Association of Carolinas-Virginia Scholarship is awarded annually to a student with an indicated interest in the field of purchasing management or marketing.

The Sales and Marketing Executives International Association (Cape Fear Chapter) Scholarship, established for students concentrating in the study of marketing, is awarded annually on the basis of scholastic ability, financial need, and recommendations by faculty. For information and application forms, contact the chairperson of the Department of Management and Marketing.

The Lee M. Sherman Scholarship is awarded annually to an undergraduate student on the basis of scholastic ability, demonstrated leadership qualities, and recommendation by the faculty.

The Mary McDuffie Walker Scholarship is awarded annually to a rising junior or senior in the Cameron School of Business who demonstrates scholastic ability and strong character.

The Sally R. Wilkins Scholarship is awarded annually to a female student pursuing a business or professional career. Applicants must have clearly designed academic goals and be able to demonstrate financial needs.

The Wilmington Shipping Company Scholarship, established in memory of Ernest W. Newman, is awarded annually to a rising junior or senior business student with an indicated academic and career interest in international business. Applicants must be residents of North Carolina and eligible for in-state tuition. The recipient will be determined by scholastic ability, financial need, and recommendations from the faculty.

WATSON SCHOOL OF EDUCATION SCHOLARSHIPS

Students may contact the Watson School of Education, Dean's Office, for information regarding the following scholarships:

The Sue McCall Boone Scholarship for education majors was established to provide a scholarship for a New Hanover County student who demonstrates a financial need at UNCW. The scholarship is named in honor of Miss Sue Boone, New Hanover educator, who contributed over 50 years of service in the community. The scholarship is awarded to one student biennially in the amount of tuition.

The James Ozborn Carr Scholarship is awarded to students in the Watson School of Education. Character and leadership potential will be factors in determining recipients. The scholarships are restricted to graduates of southeastern North Carolina high schools. The scholarships are designed to attract and retain academically strong students.

The Delta Kappa Gamma (Beta Phi Chapter) Scholarship is established by the Beta Phi Chapter of Delta Kappa Gamma to assist a female student who has been accepted into Watson School of Education. The scholarship is based on need and is renewable. The amount of the scholarship is based on available fund income. Recommendation is made by the Financial Aid Office with input from the Watson School of Education.

The Benjamin R. and Edith B. Graham Scholarship was established by Frederick B. Graham in memory of his father and mother to recognize and encourage academic excellence. Recipients shall be graduates of a southeastern North Carolina high school. The award shall be based on academic achievement with financial need being a secondary factor. Inquiries should be made to the chairperson of the appropriate major department.

The Mary Blanche Jessup Scholarship is awarded by the New Hanover County chapter of the North Carolina Association of Educators, in memory of Mrs. Mary Blanche Jessup, to an education major who is beginning his/her student teaching experience.

The Lee V. Landing Scholarships are awarded annually to elementary, middle school, or special education majors who have been accepted into the UNCW Watson School of Education. Recipients are selected on the basis of academic achievement as first consideration with financial need a secondary factor.

The Dorothy P. Marshall Scholarship is awarded to a junior or senior in the Watson School of Education who has demonstrated both financial need and scholastic ability.

The Betty H. Stike Scholarship is awarded to a student accepted into the Watson School of Education who shows promise of excellence in education and has demonstrated academic achievement and financial need.

The Theta Delta Kappa Scholarship fund provides one scholarship to a student who demonstrated academic achievement and a potential for success as a teacher. The student must be admitted into the Watson School of Education.

The Ann Durant Walker Scholarship Award—The Alpha Psi Chapter of Alpha Delta Kappa awards a scholarship to a junior or senior majoring in special education. The scholarship is given in memory of Ann Durant Walker who helped develop the Special Education Program in New Hanover County.

SCHOOL OF NURSING SCHOLARSHIPS

Students may contact the School of Nursing for information regarding the following scholarships:

The Billie Burney Memorial Scholarship, started by family and friends of the late Billie Burney, is awarded annually as a tuition scholarship to a student in the field of nursing. No application necessary.

The Forty and Eight Nursing Scholarship is an academic scholarship established by Voiture 245, the Forty and Eight of American Legionnaires, in joint memory of Voyageur Militaire John H. McInnis and Miss Dorothy Dixon, and is open to nursing students who graduated from high school in New Hanover, Pender, or Brunswick County. No application. Selection is made by the School of Nursing.

The Hilda W. Fredericks Scholars Program was established to support scholarships and grants for nursing education for UNCW students. Full-time rising seniors are eligible to apply. Applicants must have a cumulative GPA of 3.00 or better and complete the application process. Applications are available from the School of Nursing Office of the Dean.

The Jonathon Nursing Scholarship is based on merit as a first consideration and need as secondary. Apply to School of Nursing for tuition and fees scholarship.

The Jean Jordan Memorial Scholarship (sponsored by the New Hanover-Pender Medical Society Auxiliary) is awarded to a nursing student, second-or third-year medical technology student, or junior or senior pre-medical student who is a resident of New Hanover or Pender County and who demonstrates financial need and scholastic ability. Contact the School of Nursing or the Financial Aid Office.

The Ministering Circle Scholarship awards scholarships on the basis of scholastic ability, financial need, and recommendation to rising senior nursing students accepted in the School of Nursing at UNCW. Inquiries should be directed to the Financial Aid Office.

The New Hanover Regional Medical Center Auxiliary Scholarship is awarded to a student in a health-related field based on academic achievement, with financial need as a secondary factor. No application.

The Betty Ann Sanders Nursing Scholarship is intended to benefit students enrolled in the UNCW School of Nursing either as an undergraduate or graduate nursing student.

The Edith Graham Toms Scholarship is a memorial scholarship awarded to an outstanding nursing student. This scholarship is valued at the in-state rate for tuition and fees plus books and supplies. Applicants must be admitted into the School of Nursing. No application.

The Theresa Bentsen Warrick Memorial Nursing Scholarship is awarded to a nursing student demonstrating financial need and proven academic and clinical achievements. Applicants must be graduates from North Carolina high schools and present an overall grade point average of at least 2.50. No application.

SCHOLARSHIPS AWARDED BY OFF-CAMPUS AGENCIES

The following scholarships are awarded to UNCW students by off-campus agencies. Contact the Financial Aid Office for application instructions.

The American Association of University Women-Wilmington Branch (AAUW) awards a scholarship in the spring to a female junior majoring in one of the following areas: biology, chemistry, mathematics, or science. The AAUW conducts interviews, and selection of a recipient is based on a combination of grade point average and educational career objectives. Applications are available at the Financial Aid Office and must be completed by March 15.

The Order of Isaac Bear Scholarship is offered yearly to a descendent of a full-time Wilmington College student who attended at any time between September 1947 and June 1969, or a descendent of a full-time faculty member who taught at any time between September 1947 and June 1969. The applicant must be a full-time junior, senior, or a graduate student at UNCW and have a minimum 3.00 GPA.

The Cape Fear Memorial Hospital Auxiliary Student Nursing Scholarship is awarded to a rising senior nursing student who plans to graduate from the University of North Carolina at Wilmington. The award is designed to assist a senior nursing student in his/her final year of undergraduate work. The recipient must present a financial need, academic merit, and participation in extracurricular activities. Leadership potential, community service, and citizenship shall also be considered in the selection process. Applications may be obtained through the University of North Carolina at Wilmington, School of Nursing Office.

The Delta Sigma Theta Sorority Scholarship was established by the Theta Iota chapter of Delta Sigma Theta Sorority for the purpose of increasing minority female enrollment. Students from high schools in Brunswick, New Hanover, and Pender counties and high schools of the current members in the sorority may apply. The recipient will be selected based on the combination of proven academic achievement, community service, and school involvement.

The North Carolina Nurse Scholars Program was established by the General Assembly to provide college scholarships for outstanding high school graduates and other persons interested in becoming a registered nurse. Scholarships are based upon academic merit. Application forms for the scholarship are available in the nurse education departments, guidance offices in high schools in North Carolina, and from the State Education Assistance Authority. Scholarships are valued at $3,000 to $5,000.

The North Carolina Prospective Teacher Scholarship/Loan Program provides assistance to prospective North Carolina teachers. The program provides up to $2,500 per year in loan funds which will be canceled if the student teaches in North Carolina public schools after graduation. The program is administered by the Department of Public Instruction. Inquiries regarding the program should be directed to N.C. Prospective Teachers Scholarship Program, State Department of Public Instruction, Raleigh, NC 27611. To be eligible for this program a student must be enrolled full-time and be a North Carolina resident. The application deadline is in early February for the following academic year. Special application materials are necessary and may be obtained in mid-December.

The North Carolina Teaching Fellows Program is designed to identify talented students interested in teaching and to assist those students in becoming teachers by the award of scholarship/loans for four years of undergraduate study, repayable through the means of service. Award recipients will receive annual awards of $5,000 for each of their four college years subject to legislative appropriation. Consideration under this program is given to entering freshmen. Interested applicants should contact their high school guidance office in the beginning of their senior year.

The Nursing Education Scholarship/Loan Program provides assistance to prospective North Carolina nurses. The recipient must be able to demonstrate need through the regular financial aid process. The program provides loans which will be canceled if the recipient practices full-time in North Carolina after graduation. Contact the Financial Aid Office. No application.

The David W. And Anne B. Pearsall Scholarship shall be awarded to an incoming freshman that has exhibited leadership in their community and demonstrated academic excellence and must be a graduate of a high school in Pender County, North Carolina. A list of Pender County students accepted at UNCW will be forwarded to the superintendent of the schools for review and a recommendation.

The Pilot Club Scholarship is awarded annually by the Pilot Club of Wilmington. It is the policy of the Pilot Club to emphasize and sponsor a handicapped student. However, students planning to work in an area serving persons with disabilities would also be given special consideration. Students interested in applying should contact the Financial Aid Office for an application.

The Wilmington Rotary Club Scholarships are awarded annually to undergraduate students who demonstrate academic strength, good character, and financial need. Two scholarships will be awarded, one to a North Carolina student and one to an international student. Recipients are selected by the Wilmington Rotary Club.

The Matthew Shepard Memorial Scholarship is sponsored and awarded by Grow; A Community Service Corporation to gay or lesbian students and includes in-state tuition, fees and a small book stipend. Recipients must be actively involved in working for social/political change with the gay and lesbian community. A selection committee from Grow is charged with selecting the recipients. For applications contact Grow, 341-11 S. College Road, Suite 182, Wilmington, NC 28403.

The University Women of UNCW Scholarship is awarded annually to a female undergraduate student enrolled full-time who has completed at least 60 semester hours. First consideration will be given to the student who demonstrates academic ability with financial need as second consideration. The non-traditional student will be given priority. Contact the Financial Aid Office for an application. Recipients are selected by the donor organization.

EMPLOYMENT

The Federal Work-Study Program, which is federally funded, provides part-time jobs on the UNCW campus or off campus with community service organizations, for students who have demonstrated financial need. To be eligible for Federal Work-Study, a student must be enrolled in a degree or teacher certification program and must be a U.S. citizen or an eligible non-citizen. Students who submit a FAFSA are automatically considered.

The Institutional Work Program, also known as the Work Assistant Program, makes funds available for campus jobs for students regardless of financial status. These funds are allocated to departments with the selection of student work assistants determined by those departments. Students interested in the program should direct inquiries to the Career Services Center.

Off-Campus Employment is coordinated by Career Services. Part-time jobs, summer employment, internships and full-time opportunities are listed for students through the Career Services office, and are available through the internet in any UNCW computer lab or other computer with web access. Students seeking work experiences are encouraged to find work or volunteer experiences that will aid in their academic and career exploration.

LOANS

Federal Parent Loans for Undergraduate Students (PLUS)

Parent loans may be secured to assist in covering educational costs. Parents may borrow up to the cost of attendance minus all other financial assistance. In determining eligibility, the credit worthiness of the borrower is of primary importance. Families should complete a Free Application for Federal Student Aid (FAFSA) to initiate the application process.

Federal Stafford Loans provide students with long-term, low-interest loans. Under this program, a student may borrow up to $2,625 as a freshman, $3,500 while a sophomore, and $5,500 for junior or senior status. All borrowers are required to complete the regular financial aid process to establish their eligibility based on financial need. Repayment of these loans begins six months after a student ceases to be enrolled at least half time and borrowers are permitted up to ten years for repayment. The interest on the loan begins at the time of repayment and is calculated annually with a cap of 8.25 percent.

Federal Unsubsidized Stafford Loans expand the Stafford Loan Program for students who do not demonstrate need, as determined by federal guidelines. Even though the unsubsidized Stafford Loan carries the same loan limits and interest rate as the subsidized Stafford Loan, interest is charged while the student is enrolled.

Federal Perkins Loans provide students with long-term, low-interest loans for educational expenses. Under this program students may borrow up to $4,000 per year and a total of $20,000 for undergraduate study. Repayment begins nine months after graduation or withdrawal from school, and the borrower may take up to 10 years to repay the loan. The interest rate is five percent and begins accruing nine months after graduation or withdrawal from school. All or part of the loan may be canceled for service in certain professions. Applicants must complete the regular financial aid process. To be eligible for a Federal Perkins Loan, a student must be enrolled in a degree or certification program and must be a U.S. citizen or eligible non-citizen. Unlike the Federal Stafford Loan Program, Federal Perkins Loan funds are limited and are usually awarded to early filers with the greatest need.

The North Carolina Prospective Teachers Scholarship-Loan Program provides assistance to prospective North Carolina teachers. The program provides up to $2500 per year in loan funds which will be canceled if the student teaches in North Carolina public schools after graduation. The program is administered by the Department of Public Instruction. Inquiries regarding the program should be directed to N.C. Prospective Teachers Scholarship Program, State Department of Public Instruction, Raleigh, N.C. 27611. To be eligible for this program, a student must be enrolled full-time and be a North Carolina resident. The application deadline is in early February for the following academic year.

The North Carolina Student Loan Program for Health, Science and Mathematics provides financial assistance to North Carolina residents who demonstrate need as determined by the Board for Need-Based Medical Student Loans. Loans are available for study in the medical fields, mathematics and science programs that lead to a degree. Additional information can be obtained by writing or calling: The Student Loan Program, P.O. Box 20549, 3824 Barrett Dr., Suite 304, Raleigh, North Carolina 27619-0549, (919) 571-4182. The application deadline is in early spring for the following academic year.

The Nursing Education Scholarship/Loan Program provides assistance to prospective North Carolina nurses. The recipient must be able to demonstrate need through the regular financial aid process. The program provides loans which will be canceled if the recipient practices full time in North Carolina after graduation. Applicants should contact the Financial Aid Office for specific information.

The William L. Anderson Barlow and Mellie Hill Barlow Fund provides interest-free loans to eligible candidates when repaid within 10 years after graduation or last enrollment in a degree program. Eligible candidates include priority consideration for full-time students who are orphans or raised in orphan-like conditions and who need financial assistance in securing a college education. Applicants from single-parent homes may also be considered as may other categories of students depending on the availability of funds. A separate application is required and may be obtained from the Financial Aid Office.

The Marshburn Nursing Loan Fund provides monies to a nursing student/students identified by the dean of the School of Nursing as needing financial assistance to complete the program. The student would be eligible for a no-interest loan to complete his/her training. Repayment of the loan must be made within 24 months from the date he/she ceases enrollment at UNCW.

SATISFACTORY ACADEMIC PROGRESS (SAP) FOR FINANCIAL AID ELIGIBILITY (UNDERGRADUATE)

The Standards of Satisfactory Academic Progress for Financial Aid (Undergraduate)

Federal regulations require the university to establish Standards of Satisfactory Academic Progress, involving both qualitative (cumulative grade point average) and quantitative (hours earned compared to hours attempted, and a maximum time limit) elements. This requirement applies to all applicants for any federal assistance, including Federal Pell Grants, Federal Supplemental Educational Opportunity Grants (FSEOG), Federal Work-Study, NC Incentive Grants, the Federal Family Education Loan Program, which includes the Federal Stafford and Unsubsidized Stafford Loans for students, and Federal PLUS Loans for parents of undergraduate students, and the Robert C. Byrd Honors Scholarship program. The same standards may apply to all assistance from the State of North Carolina and all other aid that is determined by the Financial Aid Office. These standards do not apply to campus employment which is not based on "financial need." If a student has obtained a scholarship, grant, or loan from any other source, he/she is encouraged to contact that source regarding their academic progress requirements. It is the student's responsibility to stay informed of the university's SAP standards and to monitor their own progress.

To be eligible for financial aid at UNCW, whether or not aid was received in the past, students must be in compliance with all three of the following areas: cumulative GPA, hours earned, maximum time limit.

I. Cumulative Grade Point Average (GPA)

Students must maintain the minimum cumulative grade point average established by UNCW for satisfactory progress toward graduation requirements. This is specified on the University Retention Chart, page 70.

II. Hours Earned (Compared to Hours Attempted)

We recommend students attempt to earn at least 31 hours per academic year in order to graduate in four years. To remain eligible for financial aid, the following requirements must be met:

1. Students enrolled ***Full-Time**** for both fall and spring semesters are required to earn a total of 24 or more hours each academic year.
2. Students enrolled ***Less Than Full-Time***** for either or both fall and spring semesters are required to earn 100% of all hours attempted.
3. Students enrolled ***Full-Time**** for only one semester are required to earn at least 12 hours.
4. Students enrolled ***Full-Time**** for one semester and ***Less Than Full-Time***** the other semester are required to earn the equivalent of 12 hours (for the full-time semester) plus 100% of the number of hours attempted during the less than full-time semester. (exam-

ple: attempt 15 hours fall, 9 hours spring -must earn 21 hours (12+9) by end of spring semester)

*__Full-Time =__ Enrolled in 12 or more hours at the end of the drop/add period.
**__Less Than Full-Time =__ Enrolled in 1-11 hours at the end of the drop/add period

- Withdrawing from classes after the drop/add period will affect students' ability to satisfy the hours earned standard.
- To earn hours at UNCW, one must receive a grade of A, B, C, or D. All other grades, including F, I, W, WF, AU, or Z, are not considered earned hours.
- Audited courses do not count for either attempted or earned hours.
- If a course in which a D was earned is repeated under the Repeat Policy (Repeating of Courses section, p. 69) the student should be aware that hours are only earned one time for that course. Therefore, enough hours must be taken so the student actually earns the required number of hours for that academic year.
- Math 100/English 100 -Grades of A, B, and C are considered as satisfying the SAP requirement for these courses, although no hours are actually earned and the grade does not figure into the GPA. All other grades for these courses will have an adverse effect on the student's ability to meet the hours earned standard.

III. Maximum Time Limit

To remain eligible for financial aid, undergraduate students must complete their degree requirements within 150 percent of the published length of their academic program. At UNCW, this means that students in programs requiring 124 hours for graduation will be eligible for financial aid during the first 186 attempted hours as an undergraduate. All attempted hours are counted, including transfer hours, whether or not financial aid was received, or the course work was successfully completed. This also applies to students admitted under the three-year rule since their attempted hours will include hours attempted during prior enrollment.

Annual SAP Reviews

At the end of the spring semester, a year-end review is completed, and students who are out of compliance with one or more of the SAP standards become ineligible for further financial aid until all deficiencies are remedied. The Financial Aid Office sends written notification of ineligibility to students at their permanent addresses as listed in official university records in the Registrar's Office.

Regaining Eligibility for Financial Aid

To regain eligibility for financial aid, a student must consult with a financial aid official to determine the appropriate alternatives. **Cumulative GPA's** can only be improved by course work at UNCW. **Hours earned** deficiencies may be made up by summer attendance at UNCW or another institution. However, if enrolling elsewhere, the student must complete the appropriate transient study forms and have the course work preapproved by UNCW prior to enrolling at the other institution. Following completion of course work elsewhere, the student must request that an academic transcript be sent to the UNCW Registrar's Office. Once deficiencies have been remedied, the student must notify the Financial Aid Office and request reinstatement of eligibility. This process begins when all grades and credit hours are officially recorded at UNCW.

Once the **maximum time limit** standard has been exceeded, financial aid eligibility ends, even if the student is in compliance with the other two standards.

Appeals

Federal regulations allow for certain cases in which the school may waive the standards. Specifically, if a student's failure to be in compliance with one or more areas of satisfactory academic progress is due to events beyond the student's control, such as a student's extended ill-

ness, serious illness or death in the immediate family, or other significant trauma, and if such mitigating circumstances can be appropriately documented for the specific term(s) in which the deficiency occurred, the student may appeal to the Financial Aid Office. Eligibility may be regained by appeal for a fall or spring semester, but generally appeals cannot be considered to reinstate eligibility prior to a summer term. *Contact the Financial Aid Office to obtain an Appeal for Reinstatement of Eligibility form.*

FINANCIAL AID REFUND AND REPAYMENT POLICY

Refunds

The university's refund policy, as detailed in the Expenses section of the university catalogue, complies with the requirements of the university's accrediting agency and the U.S. Department of Education. Students must follow the official withdrawal process to receive a refund under the university's policy. To officially withdraw from the university, students must complete an Official Withdrawal Form in the Registrar's Office. Any outstanding financial obligations to the university will be deducted from the amount refunded.

There are special requirements for federal financial aid recipients who cease attendance in all classes (officially withdraw, or unofficially withdraw). Federal regulations dictate a special refund calculation for students receiving Title IV federal student financial aid. The requirements specify an amount to be refunded as well as an amount the student may have to repay from funds disbursed directly to the student for living expenses. We recommend that students discuss the effects of their withdrawal with the Financial Aid Office before making the decision to leave the institution. Examples of the application of the institution's refund policy are available to students upon request in the Financial Aid Office.

Refunds are based on the last date of class attendance or the last date a student will attend. For students attending UNCW for the first time who withdraw before the end of the first 60 percent of the enrollment period (semester or term), their refund will not be less than that portion of the UNCW charges (tuition, fees, room, board, and other charges assessed the student by UNCW) that is equal to the portion (as of the date of withdrawal) of the period of enrollment for which the student has been charged, less any unpaid amount of a student's scheduled cash payment.

For all other students receiving Title IV federal student financial aid, the school will make refunds in accordance with the UNCW Refund Policy which provides the same or a higher amount than the federal refund requirements.

Repayments

Students may owe a repayment on cash received prior to withdrawal. If a student's non-instructional educational expenses incurred up to the time of withdrawal exceeded the amount of cash disbursement, the student does not owe a repayment. If cash disbursed exceeds the non-instructional costs of education incurred up to the time of withdrawal, the student does owe a repayment. This repayment is the difference between expenses incurred and the actual cash refund received. Non-instructional expenses are determined by calculating the percentage of room, board, books, supplies, travel and personal expenses incurred during the portion of the term a student is enrolled.

Order and Distribution of Refunds and Repayments

As required by federal regulations, refunds will be paid in the order listed below. No one program shall be refunded/repaid more than what was received from the program for the term of withdrawal.

1. Unsubsidized Federal Stafford Loan Program
2. Subsidized Federal Stafford Loan Program

3. Federal PLUS Program
4. Federal Perkins Loan Program
5. Federal Pell Grant Program
6. Federal SEOG Program
7. Other Title IV Program
8. Other federal programs
9. State programs
10. Private or institutional assistance
11. Student

Note: The Higher Education Amendments of 1998 were signed into law on October 7, 1998. The U.S. Department of Education is expected to release new regulations that will change the policy for federal student aid recipients.

VETERAN EDUCATIONAL BENEFITS

The Office of Financial Aid and Veterans Services in James Hall provides certification for educational benefits to veterans and/or their dependents, enrolled at the University of North Carolina at Wilmington. The Veteran Services coordinator is concerned with the recruitment and retention of veterans at the university and ensuring that they successfully complete their educational program. Veterans Services assist students receiving educational benefits under Chapter 35 (Dependents), Chapter 32 (VEAP), Chapter 1606 (reservists from all branches of the services, and Chapter 30 (individuals who served on active duty). Veterans who feel they have an entitlement should check with their local VA Office, the Regional Office in Winston-Salem (1-800-827-1000) or the VA certifying official at their local educational institution.

Two exceptions to the above are:

- A veteran who has a 20 percent or greater disability due to service connected cause(s) may be eligible for benefits under Chapter 31. Check with the Veterans Affairs Regional Office (1-800-827-1000).
- Veterans who served on active duty prior to December 31, 1976 and with unbroken service between July 1, 1985 and June 30, 1988 may be eligible for a combination of benefits: the Vietnam era GI Bill and the Montgomery GI Bill (Chapter 34 and 30).

The primary goal of the Office of Financial Aid and Veterans Services is to assist students with VA counseling regarding their course work and benefits while they work to successfully complete their desired educational objective within the guidelines of the North Carolina State Approving Agency. We are required to monitor attendance and successful completion of courses and to review students' records to ensure the appropriate curricula are followed. Services to veterans and dependents include referrals to peer and professional counseling, employment, community outreach services, tutorial services and special programs for educationally disadvantaged veterans.

All students receiving VA Educational Benefits are required to come see the Veterans Services coordinator at least once each semester to complete their class schedule to ensure prompt correspondence between UNCW and the Veterans Administration. For further information about veteran benefits and eligibility requirements, students should contact the Veterans Services coordinator at (910) 962-3136, Fax (910) 962-3851 or E-mail to: veterans@uncwil.edu. **Any changes in the veteran's course of study <u>must</u> be cleared with the Veterans Services coordinator to ensure continuation of benefits.**

UNIVERSITY REGULATIONS

ACADEMIC HONOR CODE

The University of North Carolina at Wilmington is committed to the proposition that the pursuit of truth requires the presence of honesty among all involved. It is therefore this institution's stated policy that no form of dishonesty among its faculty or students will be tolerated. Although all members of the university community are encouraged to report occurrences of dishonesty, honesty is principally the responsibility of each individual.

Academic dishonesty takes many forms, from blatant acts of cheating, stealing, or similar misdeeds to the more subtle forms of plagiarism, all of which are totally out of place in an institution of higher learning. Reporting and adjudication procedures have been developed to enforce the policy of academic integrity, to ensure justice, and to protect individual rights. Complete details may be found in the current *Student Handbook and Code of Student Life* and in the *Faculty Handbook*.

ADVANCED PLACEMENT

The University of North Carolina at Wilmington participates in the advanced placement programs of the College Entrance Examination Board. A brochure listing the examinations, required minimum scores, course equivalents, and credits awarded is available through the Office of Admissions. A freshman who scores three or above on the Advanced Placement test will receive appropriate college credit and advanced placement. Students taking Advanced Placement tests should have the score reports sent to the Registrar's Office for evaluation concerning placement and credit. Individual departments have determined the specific courses for which credit will be given.

Students who are talented and well prepared may also receive credit for a variety of courses by achieving a passing score on one of the College-Level Examination Program (CLEP) tests. Tests are offered and can be registered for biannually at the Student Development Center.

Students who have been exempted with credit from courses at an accredited college or university may be exempted with credit from appropriate courses at the University of North Carolina at Wilmington, as outlined in the test brochure. When the exemption is based on a test result, the student should have a copy of the score report sent to the Office of Admissions. In those cases in which a student has demonstrated knowledge of a particular field by more advanced course work, exemptions may be granted on an individual basis by the appropriate department chairperson.

Supplementary foreign language credit: Students who complete, with a grade of "C" or better, a French, German, Latin or Spanish course numbered 201 or higher (excluding 209, 210, 211, and 212) and who have received no AP credit, no transfer credit, and no prior credit at UNCW in that language shall be granted supplemental credit as follows:

- For completion of a 200-level course, the student shall receive three credit hours for the prior course in the sequence.
- For completion of a 300-level course, the student shall receive six credit hours for 201 and 202.

This credit may be used to fulfill basic studies requirements.

ADVISING

Students and their advisors confer when necessary, but they should confer at least once before every registration period to review goals, plans for achieving them, and any problems encountered or anticipated. Students have the responsibility to understand and meet the requirements for the curriculum under which they are studying and should seek advice as appropriate.

AUDITING

The auditing of courses without credit is approved by special permission of the registrar and of the instructor involved. Individuals not regularly enrolled as students in the university who wish to audit courses will be classified as special students and will be required to pay regular tuition and fees. University students in regular status will be permitted to audit courses and must pay the same tuition and fees required for credit courses.

CANCELLATION OF COURSE REGISTRATION POLICY

A department chairperson, upon recommendation of the instructor, may cancel a student's registration in any course offered in that department if the registered student fails to attend the first class meeting and fails to notify the department office of a desire to remain enrolled within 24 hours of the class time. This cancellation action will only take place when a course is fully enrolled and additional students are waiting to enroll. Students who wish to drop a class should not assume they have done so by not attending the first class but should follow the normal drop/add procedures printed in the semester schedule.

The appropriate dean's office should notify the relevant department chairperson of late-arrival students who cannot attend the first class meeting because of illness or other reasons approved by a dean of the college or the professional schools or the dean of students.

If cancellation action is taken by a department chairperson, the registration openings resulting from this action will be offered to students seeking enrollment in the courses during the official drop/add period. Students who have been authorized to add a course should follow the normal drop/add procedures printed in the semester schedule.

Student appeals resulting from emergencies or other extenuating circumstances will be considered on a case-by-case basis in the appropriate dean's office.

CHANGE OF MAJOR OR MINOR

For students assigned to Student Academic Support Programs for advising, all requests for a declaration of major or option, the declaration of a double major or the declaration of a minor in the College of Arts and Sciences must be completed in the Student Academic Support Programs office. For students beyond Academic Support Programs, the change of major or option, the declaration of a double major, or the declaration or change of a minor in the College of Arts and Sciences or a professional school must be completed in the Office of the Registrar. The only exception is for students changing from one department in a professional school to another department in the same school. These requests must be completed in the office of the dean of that school. Students are advised to consult with their advisor in the original major before changing majors.

CHANGE OF NAME AND ADDRESS

It is the obligation of every student to notify the Office of the Registrar in writing of any change in name or of permanent mailing address. Documentation in the form of a valid driver's license or voter registration card is required.

CLASS ATTENDANCE

Students are expected to be present at all regular class meetings and examinations for the courses in which they are registered. All faculty members are responsible for setting policy concerning the role of attendance in determining grades for their classes. It is the responsibility of the students to learn and comply with the policies set for each class for which they are registered.

CLASSIFICATION OF STUDENTS

Students are classified as freshmen, sophomores, juniors, and seniors. Semester hours passed are used to determine these classifications. In order to graduate in eight semesters, a student must average 31 hours each year.

The required number of hours passed for each classification is as follows:
Less than 27 semester hours credit -Freshman
From 27-58 semester hours credit -Sophomore
From 59-88 semester hours credit -Junior
More than 88 semester hours credit -Senior

DEAN'S LIST

To be included in the Dean's List at the close of each semester, students must meet one of the following criteria:

(a) Students carrying 12-14 hours must earn a quality point average of 3.50 or better with no grade less than B (3.00).

(b) Students carrying 15 hours or more must earn a quality point average of 3.20 or better with no grade less than B (3.00).

(c) Students participating in the Honors Program who are carrying 12-14 total hours but are not receiving a grade for the current semester of honors work shall be eligible for the Dean's List if their grade point average on the remaining 9-11 hours otherwise meets current standards for the Dean's List.

Students carrying 11 hours or fewer are not eligible for the Dean's List.

DEGREES WITH DISTINCTION

Three degrees with distinction are granted to graduating students based on all work attempted in meeting requirements for the degree as follows:

Cum Laude for an overall average of 3.50
Magna Cum Laude for an overall average of 3.70
Summa Cum Laude for an overall average of 3.90

Degrees with distinction are granted to transfer students under the following conditions:

(1) The student must have the required overall average on all work attempted (including all transfer courses attempted).

(2) The student must have the required average on work attempted at the University of North Carolina at Wilmington.

Students who complete the Departmental Honors Program satisfactorily will be graduated "With Honors" in the discipline in which the special work is undertaken.

Students who complete the University Honors Program will have the additional designation "University Honors."

DETERMINING ENROLLMENT STATUS

Because the university must officially respond to requests for a determination of a student's enrollment status from outside agencies as well as university offices, the following policy is provided:

UNDERGRADUATE-REGULAR TERM

Full-time status requires a minimum enrollment of 12 credit hours.
Half-time status requires a minimum enrollment of 6 credit hours.

UNDERGRADUATE-SUMMER SCHOOL

Full-time status requires a minimum enrollment of six credit hours per summer session.
Half-time status requires a minimum enrollment of three credit hours per summer session.
Enrollment status for determining financial aid eligibility is calculated across both mini sessions in the summer term.

FINAL EXAMINATION POLICY

University policy requires the scheduling of final examinations. Under this policy, the final examination schedule provides a three-hour period for each examination and allows a maximum

of four examinations per day. The length of the final examination, up to a maximum of three hours, is at the discretion of the instructor.

The final examination schedule is published at the beginning of each semester. Courses offered during the day have final examinations during the day. Night courses have final examinations at night.

A student who is scheduled to take three or more final examinations in one calendar day may have one or more rescheduled so that no more than two per day are required. To reschedule an exam the student must notify the three (or four) instructors and the appropriate dean(s) of this desire at least two weeks before the beginning of the final examination period. It will be the responsibility of the instructors, working with the student, to reschedule the exam(s) and so inform the student and the appropriate dean(s) at least one week before the beginning of the final examination period.

Rescheduling of a final examination for an entire class may be done only with the approval of the appropriate dean.

GRADE APPEAL PROCEDURE

Any student considering a grade appeal should understand that each faculty member has the academic freedom and responsibility to determine grades according to any method, chosen by the faculty member, which is professionally acceptable, communicated to everyone in the class, and applied to all students equally. However, prejudiced or capricious academic evaluation by a faculty member is a violation of a student's rights and is the valid ground for a grade appeal.

Any student who contests a course grade shall first attempt to resolve the matter with the instructor involved. Failing to reach a satisfactory resolution, the student may appeal the grade in accordance with the procedures outlined below. These procedures are not to be used in cases involving student academic dishonesty. An appeal must be made no later than the last day of the next succeeding regular semester.

1. The student shall present the appeal in writing to the chairperson of the department within which the contested grade was awarded. The written statement shall limit itself to citations of evidence pertaining to the valid ground for the appeal. By conferring with the student and the instructor, the chairperson will seek resolution by mutual agreement.

2. Failing such resolution the department chairperson shall transmit the written appeal to the appropriate dean who will convene the Grade Appeals Committee.

3. The Grade Appeals Committee shall consist of the convening dean and five faculty members appointed by the dean. If the committee affirms the instructor's decision, the dean will notify in writing the faculty member, the student, and the department chairperson as appropriate. If the committee supports the student's appeal, it shall prescribe the method by which the student will be reevaluated. The grade resulting from the prescribed reevaluation is final and may not be further appealed.

GRADES AND REPORTS

Unless modified in accordance with established procedures, each grade assigned by faculty (including a grade of "W" or a grade in a course that has been repeated) is permanent and cannot be removed from a student's official record or transcript.

The University of North Carolina at Wilmington uses the quality point system and semester hour credit for calculating student achievement. Plus (+) or minus (-) grades may be awarded at the discretion of the faculty. Grade symbols used are the following:

Grade	Quality Points	
A	4.00	Excellent
A-	3.67	
B+	3.33	
B	3.00	Good
B-	2.67	

Grade	Quality Points	
C+	2.33	
C	2.00	Average
C-	1.67	
D+	1.33	
D	1.00	
D-	0.67	Passing
F	0.00	Failure
I	0.00	Incomplete
IP	0.00	In Progress (Honors Project)
W	0.00	Withdrawn
WF	0.00	Failure/Late Withdrawal
Z	0.00	Unreported Grade

The quality point ratio is determined by dividing the accumulated number of quality points earned by the accumulated number of quality hours. Hours for which a grade of "F" or "WF" has been assigned are included in this calculation.

At the discretion of the instructor, a student may be given a grade of Incomplete when the work in the course has not been completed for reasons beyond the control of the student. All incomplete grades must be removed according to a deadline established by the instructor, not to exceed one calendar year from the end of the semester in which the Incomplete was given, otherwise the "I" becomes "F." A student must not register for the class when attempting to remove a grade of Incomplete.

An "IP" is assigned to departmental honors projects (499) in semesters other than their final one. Upon successful completion of the entire project, "IP" grades from previous semesters are converted to letter grades, and quality points are retroactively awarded.

Grade reports are mailed to the student at the end of each semester.

IMMUNIZATION AND HEALTH FORMS

North Carolina General Statute 130A, 152-157, establishes specific immunization requirements for all students enrolled in North Carolina colleges or universities. It is the responsibility of the Student Health Center to monitor the immunization record of each student to ensure compliance with state law and university requirements.

All UNCW students are required to submit to the Student Health Center a complete and up-to-date immunization record prior to registration.

Student medical forms required for physical education participation will also be collected at the Student Health Center.

Immunizations that are REQUIRED pursuant to NC state law.

Students 17 years of age or younger.....REQUIRED:

- 3 DTP (Diphtheria, Tetanus, Pertussis) or TD (Tetanus, Diphtheria) doses
  One TD booster must have been within the past 10 years.
- 3 Polio (oral) doses
- 2 Measles (Rubeola), 1 Mumps, 1 Rubella (MMR is preferred vaccine)

Students born in 1957 or later and 18 years of age or older.....REQUIRED:

- 3 DTP (Diphtheria, Tetanus, Pertussis) or TD (Tetanus, Diphtheria) doses;
  One TD booster must have been within the past 10 years.
- 2 MEASLES (Rubeola), 1 Mumps, 1 Rubella (MMR is preferred vaccine)

Students born before 1957.....REQUIRED:

- 3 DTP (Diphtheria, Tetanus, Pertussis) or TD (Tetanus, Diphtheria) doses;
  One TD booster must have been within the past 10 years.
- 1 Rubella dose (not required if student is 50 years of age or older).

TUBERCULIN SKIN TEST (PPD) IS **REQUIRED** within the TWELVE MONTHS PRECEDING the beginning of classes (or chest x-ray if test is positive).

NOTE . . .

- History of Measles (Rubeola) is acceptable if physician verifies that student had the disease prior to January 1, 1994.
- Blood titer tests are acceptable for Measles, Mumps, Rubella and Hepatitis B. Laboratory test results must be attached.

Failure to comply with university immunization requirements will result in registration being canceled or blocked.

INDEBTEDNESS

All indebtedness to the university must be satisfactorily settled before a diploma or transcript of record will be issued.

LATE REGISTRATION AND DROP/ADD

Late registration and drop/add occur during the first week of each academic term. The dates are limited to those announced in the university calendar of events and as announced by the Registrar's Office. During this period, late registration, drop/add and audit-only students are processed.

OFF-CAMPUS COURSES

Students may be permitted to earn credits toward degree requirements at UNCW through course work at extension campuses and at other two-and four-year colleges and universities in the United States and abroad, as well as through correspondence courses. To receive permission, a student must complete the "Permission for Transient Study" form and obtain the approval of his/her department chairperson (or the director of the Center for Academic Advising) and dean prior to registering for the course. The permission form must be on file in the Registrar's Office prior to the student's leaving campus. [See also RESIDENCY REQUIREMENT.]

ORIENTATION

All new students (freshmen, transfers and unclassified) are required to attend an orientation program prior to the beginning of their first term. The purpose of orientation is to acquaint students with academic requirements, campus services, and involvement opportunities. During orientation, students are assigned an academic advisor, take placement tests as needed, and register for classes. Students are notified by mail of the time to report for the activities involved.

POLICY STATEMENT ON ILLEGAL DRUGS

Students, faculty members, administrators, and other employees of the University of North Carolina at Wilmington are responsible, as citizens, for knowing about and complying with the provisions of North Carolina law that make it a crime to possess, sell, deliver, or manufacture those drugs designated collectively as "controlled substances" in Article 5 of Chapter 90 of the North Carolina General Statutes. A copy of this law is available in the following offices: Human Resources, Dean of Students, and Academic Affairs. Any member of the university community who violates that law is subject both to prosecution and punishment by the civil authorities, and to disciplinary proceedings by UNCW. In accordance with policy adopted by the Board of Governors of the University of North Carolina and the Board of Trustees of UNCW, disciplinary proceedings against a student, faculty member, administrator, or other employee will be initiated when the alleged conduct is deemed to affect the interest of UNCW.

Penalties will be imposed for violation of the policies of UNCW only in accordance with procedural safeguards applicable to disciplinary actions against students, faculty members, admin-

istrators, and other employees. The penalties that may be imposed range from written warnings with probationary status to expulsion from enrollment and discharge from employment. For more information, please refer to the *Student Handbook* and *Code of Student Life, The Code of the University of North Carolina* (Section 603), and Personnel Procedure No. HR 6.10.

Every student, faculty member, administrator, and other employee of UNCW is responsible for being familiar with and complying with the terms of the policy on illegal drugs adopted by the Board of Governors of the University of North Carolina and the Board of Trustees of UNCW. Copies of the full text of the policy appear below as well as in the *Code of Student Life, Faculty Handbook*, and it is available in the Offices of Human Resources and Dean of Students.

Policy On Illegal Drugs

1. Introduction

The fundamental purpose of the University of North Carolina at Wilmington (UNCW) is to maintain an environment that supports and encourages the pursuit and dissemination of knowledge. That environment is damaged by illegal drug use. Therefore, all members of the academic community, students, faculty members, administrators, and other university employees, share the responsibility for protecting the environment by exemplifying high standards of professional and personal conduct.

2. Policy and Program

A. The illegal use, possession, sale, delivery and/or manufacture of drugs will not be tolerated and may be grounds for immediate suspension or dismissal of students, faculty members, administrators and other university employees.

B. UNCW policies and programs are intended to emphasize:
   1. The incompatibility of the use or sale of illegal drugs with the goals of the university.
   2. The legal consequences of involvement with illegal drugs.
   3. The medical implications of the use of illegal drugs.
   4. The ways in which illegal drugs jeopardize an individual's present accomplishments and future opportunities.

C. UNCW provides a systematic substance-abuse education and prevention program designed to reach all segments of the campus community. To assist in accomplishing this mission, the Center for Substance Abuse Education and Prevention has developed a well-integrated centralized program that is a focal point for campus substance-abuse education, training, and prevention which monitors the effectiveness of programs for constituencies served. This center provides substance-abuse counseling and referral services on campus and in the external community. It also provides consultative services to offices and agencies in the university environment and collaborates with the employee assistance coordinator in the University Personnel Office to develop counseling and referral services for faculty and staff desirous of seeking assistance off-campus. This Policy on Illegal Drugs is presented within the four areas of education, counseling and rehabilitation, enforcement and penalties, and assessment.

3. Education

UNCW provides a program of education designed to help all members of the university community avoid involvement with illegal drugs. Education programs:

A. Provide a system of accurate, current information exchange on the health risks and symptoms of drug use for students, faculty and staff.

B. Promote and support institutional activity programming that discourages substance abuse.

C. Establish collaborative relationships between community groups and agencies and the institution for education, treatment and referral.

D. Provide training programs for students, faculty and staff to enable them to detect problems related to drug use and to refer persons with these problems to appropriate assistance.

E. Include information about drugs for students and family members in the student orientation programs. The use of prescription and over-the-counter drugs will be addressed.

F. Support and encourage faculty in incorporating education about drugs into the curriculum where appropriate.
G. Develop a coordinated effort across campus for drug-related education, treatment and referral.

4. Counseling and Rehabilitation

A. UNCW provides information about drug counseling and rehabilitation services to members of the university community. Persons who voluntarily avail themselves of university services can be assured that applicable professional standards of confidentiality will be observed. Counseling and rehabilitation services include:
   1. Provision of training for professional staff and student staff on drug-abuse information, intervention and referral.
   2. Conducting education programs for students who have demonstrated abusive behavior with drug problems.
   3. Conducting individual and group counseling for members of the university community with drug problems.
   4. Conducting drug-abuse assessments.
   5. Coordinating referral and follow up of campus individuals and developing a referral and follow-up mechanism in collaboration with the employee assistance coordinator in the Personnel Office.
   6. Organizing campus self-help groups.
   7. Providing consultation, information and referral for students, staff and faculty with drug problems.
   8. Designing and developing referral opportunities for members of the university community who desire to seek professional assistance beyond the campus. This will be done in cooperation with the employee assistance coordinator in the Personnel Office.
   9. Providing with peer involvement a system of intervention and referral services for students, faculty and staff.

B. In providing the above prevention strategies, it is recognized that some campus constituents may prefer professional assistance external to the campus. Therefore, the campus community substance-abuse education and prevention program coordinator will collaborate with the employee assistance coordinator in the development of appropriate referral mechanisms for these individuals. A listing of off-campus resources for assistance and referral is available for those who choose that option. In the development of this program, it is desired that faculty, students, administrators and other employees be comfortable with the manner in which they are served and have a choice in the selection of appropriate assistance. Individuals served in the counseling program on campus can be assured that confidentiality will be maintained and that they will be served by professionals.

5. Enforcement and Penalties

A. Enforcement:
   In seeking to enforce established university policy, the University of North Carolina at Wilmington will:
   1. Publicize all drug policies.
   2. Consistently enforce drug policies.
   3. Exercise appropriate disciplinary action for drug policy violations.

B. Penalties:
   UNCW shall take actions necessary, consistent with state and federal law and applicable university policy, to eliminate illegal drugs from the university community. University policy on illegal drugs is publicized in the university catalogue, student and faculty handbooks, student orientation materials, letters to students and parents, residence hall meetings, and faculty and employee meetings.

   Students and faculty members, administrators, and other employees are responsible as citizens for knowing about and complying with the provisions of the North Carolina law

that makes it a crime to possess, sell, deliver, or manufacture drugs designated collectively as "controlled substances" in Article V, Chapter 90 of the North Carolina General Statutes. Any member of the university community who violates that law is subject to both prosecution and punishment by the civil authorities and disciplinary proceedings by UNCW. It is not "double jeopardy" for both civil authorities and the university to proceed against and punish a person for the same specified conduct. The university will initiate its own disciplinary proceedings against the student, faculty member, administrator, or other employee when the alleged conduct is deemed to affect the interest of the university.

Penalties will be imposed by UNCW in accordance with procedural safeguards applicable to disciplinary actions against students (see *Student Handbook* and *Code of Student Life*, Section II), faculty members (see Policies of Academic Freedom and Tenure, UNCW, Section VII), and administrators and other employees (see Procedure No. HR 6.10 and Personnel Policies for Designated Employment Exempt from State Personnel Act-EPA Administrative Positions).

The penalties to be imposed by the university may range from written warning with probationary status to expulsion from enrollment and discharge from employment; however, the following minimum penalties shall be imposed for the particular offenses described.

1. Trafficking in Illegal Drugs
   a. For a first offense involving the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell or deliver any controlled substance identified in Schedule I, North Carolina General Statutes 90-89 or Schedule II, North Carolina General Statutes 90-90 (including, but not limited to, heroin, mescaline, lysergic acid diethylamide, opium, cocaine, amphetamine, methaqualone), any student shall be expelled and any faculty member, administrator, or other employee shall be discharged.
   b. For a first offense involving the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell or deliver, any controlled substance identified in Schedules III through VI, North Carolina General Statutes 90-91 through 90-94, (including, but not limited to, marijuana, pentobarbital, codeine), the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent. For a second offense, any student shall be expelled, and any faculty member, administrator, or other employee shall be discharged.
2. Illegal Possession of Drugs
   a. For a first offense involving the illegal possession of any controlled substance identified in Schedule I, North Carolina General Statutes 90-89, or Schedule II, North Carolina General Statutes 90-90, the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent.
   b. For a first offense involving the illegal possession of any controlled substance identified in Schedules III through VII, North Carolina General Statutes 90-91 through 90-94, the minimum penalty shall be probation for a period to be determined on a case-by-case basis. A person on probation must agree to participate in a drug education and counseling program, consent to regular drug testing, and accept such other conditions and restrictions, including a program of community service, as the chancellor or chancellor's designee deems appropriate. Refusal or failure to abide by the terms of probation shall result in suspension from enrollment or employment for any unexpired balance of the prescribed period of the probation.
   c. For the second or other subsequent offenses involving the illegal possession of controlled substances, progressively more severe penalties shall be imposed, including expulsion of students and discharge of faculty members, administrators, and employees.

3. Suspension Pending Final Disposition
   When a student, faculty member, administrator, or university employee has been charged by UNCW with a violation of policies concerning illegal drugs, he or she may be suspended from enrollment and/or employment before initiation or completion of regular disciplinary proceedings if, assuming the truth of the charges, the chancellor or, in the chancellor's absence, the chancellor's designee concludes that the person's continued presence within the university community would constitute a clear and immediate danger to the health or welfare of other members of the university community; provided that, if such a suspension is imposed, an appropriate hearing of the charges against the suspended person shall be held as promptly as possible thereafter.

6. Assessment

A. UNCW shall in its effort to continually assess the campus environment:
   1. Appraise the institutional environment as an underlying cause of drug abuse.
   2. Assess campus awareness, attitudes, and behaviors regarding the use of drugs and employ results in program development.
   3. Collect and use drug-related summary information from police and security reports to guide program development.
   4. Collect and use summary health, counseling, and client information to guide program development.
   5. Collect summary data regarding drug-related disciplinary actions and use it to guide program development.

B. Annually, the chancellor shall submit to the Board of Trustees a report of campus activities related to illegal drugs for the proceeding year. The report shall include the following:
   1. A listing of major education activities conducted during the year;
   2. A report on any illegal drug-related incidents, including any sanctions imposed;
   3. An assessment by the chancellor of the effectiveness of the campus program; and
   4. Any proposed changes in university policy on illegal drugs.

The chancellor shall provide a copy of this report to the president.

Rules of the State Personnel Commission govern the disciplinary actions that may be taken against SPA employees. Under current Commission regulations, discharge, rather than suspension, is the applicable penalty for SPA employees in those instances where this policy otherwise requires suspension.

PREREGISTRATION

Preregistration for students currently enrolled is held each semester at specified times. Prior to preregistration all students receive special instructions and preregistration materials in their student mailboxes. Students prepare a course program, submit it at an appointed time to their advisors for review, and complete the preregistration process. Students who complete preregistration and pay fees by the designated date are registered, except in the event that they are declared academically ineligible, at the end of the preceding semester.

PROGRESS TOWARD GRADUATION IN FOUR YEARS

To graduate in four years, the student must successfully complete all graduation requirements and an average annual course load of 31 semester hours. This course load requires the student to take approximately 15-16 hours per semester or earn hours through summer enrollment. Among the factors responsible for extending the time necessary to complete degree requirements beyond four years are a student's late decision to change majors, requiring additional course work; part-time employment while enrolled; family responsibilities; and unilateral decision to take fewer than the recommended average of 15.5 hours per semester.

REGISTRATION

Registration occurs immediately prior to each term and is limited to the time period specified in the university calendar of events and other days as announced by the Registrar's Office. This process is for students who did not preregister or are new to the university. Classes may not be added after the last day of registration. Degree students may take up to 18 hours without restriction. Students who have a cumulative quality point average of 3.50 may be allowed, with special permission of the appropriate dean, to carry more than 18 semester hours.

Cancellation of Registration due to Failure to Pay Tuition and Fees

Students that fail to pay or make suitable arrangements for payment of tuition and fees will have their registrations cancelled. Please see the section on Charge for Late Payment of Tuition and Fees.

RELEASE OF "DIRECTORY INFORMATION"

The University of North Carolina at Wilmington has routinely made public certain information about its students. Typically, UNCW releases the names of students who are selected by the various honorary societies, receive scholarships, make the Dean's List, hold offices, or are members of athletic teams. The December and May commencement programs publish the names of persons who have received degrees from UNCW during the year.

The Family Educational Rights and Privacy Act defines the term "directory information" to include the following information: the student's name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student. The university will make public information about each student limited to these categories in ways such as those described above. Of course, information from all these categories is not made public in every listing.

Students who do not wish to have their "directory information" made public without their prior consent must complete a "Request To Prevent Disclosure Of Directory Information" form in the Office of the Registrar.

Family Educational Rights and Privacy Act (FERPA)

Certain personally identifiable information about students ("education records") may be maintained at The University of North Carolina General Administration, which serves the Board of Governors of the University system. This student information may be the same as, or derivative of, information maintained by a constituent institution of the University; or it may be additional information. Whatever their origins, education records maintained at General Administration are subject to the federal Family Educational Rights and Privacy Act of 1974 (FERPA).

FERPA provides that a student may inspect his or her education records. If the student finds the records to be inaccurate, misleading, or otherwise in violation of the student's privacy rights, the student may request amendment to the record. FERPA also provides that a student's personally identifiable information may not be released to someone else unless (1) the student has given a proper consent for disclosure or (2) provisions of FERPA or federal regulations issued pursuant to FERPA permit the information to be released without the student's consent.

A student may file with the U.S. Department of Education a complaint concerning failure of General Administration or an institution to comply with FERPA.

The policies of The University of North Carolina General Administration concerning FERPA may be inspected in the office at each constituent institution designated to maintain the FERPA policies of the institution. Policies of General Administration may also be accessed in the Office of the Secretary of The University of North Carolina, General Administration, 910 Raleigh Road, Chapel Hill, NC 27515-2688.

Further details about FERPA and FERPA procedures at General Administration are to be found in the referenced policies. Questions about the policies may be directed to Legal Section,

Office of the President, The University of North Carolina, General Administration, Annex Building, 910 Raleigh Road, Chapel Hill, NC (mailing address P.O. Box 2688, Chapel Hill, NC 27515-2688; telephone: 919-962-4588).

REPEATING OF COURSES

Students who receive a grade of "C-" or better in a course may not repeat the course but may audit without credit.

Students who receive a grade of "D" (including "D+" or "D-") or "F" in a course taken at UNCW may repeat the course at UNCW. The first five times a student repeats courses the previous grade and hours of credit for the repeated course will not be used in calculating the student's quality point average and hours toward graduation. All grades shall remain on the student's transcript.

In interpreting the policy it is to be understood that: (1) the term "first five times" means (a) that the policy is automatically operative for a student the first time that the student repeats a course and continues through the fifth time a student repeats a course, and (b) that the five repeats may involve five different courses or fewer courses repeated more than once; (2) a student may go beyond 5 course repeats, but such repeats will not enjoy the privilege of the policy; (3) all students will be able to enjoy the benefits of this policy irrespective of prior course repeat activity; (4) this policy does not govern the repeating of graduate courses (see the Graduate Catalogue for the appropriate policy).

Note: A failing grade received owing to admitted or adjudicated academic dishonesty shall not be replaced if the course is repeated. Both the penalty grade and the new grade shall appear on the student's transcript and count in the student's grade point average. A student may not appeal the policy stated in this paragraph to any faculty or administrative level.

REQUIREMENTS FOR A DOUBLE MAJOR OR A DOUBLE DEGREE

A student may elect to major in two separate disciplines with the permission of the chair of each of the departments and on the condition that the student meet all requirements for each major. A student who completes 124 hours and all requirements for more than one major in the same baccalaureate program will have only one degree conferred, but all majors will be printed on the transcript.

A student who completes 124 credit hours and meets all requirements for majors in different baccalaureate programs may have both degrees conferred. A student may not simultaneously receive two different baccalaureate degrees within the same department (e.g., a B.S. and a B.A. degree).

A student may not normally receive a second baccalaureate degree in a department in which a degree has been earned previously. An exception may be made only when a department has an established policy regarding the circumstances in which a second degree may be awarded.

A student who returns to the university after the initial graduation to complete the requirements for a second major may have the additional major added to the official record upon written notification from the department chairperson that all departmental requirements have been met satisfactorily. A new or replacement diploma will not be issued.

REQUIREMENTS FOR ANOTHER BACCALAUREATE DEGREE

A student with a baccalaureate degree from UNCW may receive another baccalaureate degree if it is a different degree and a different major. The student must meet all the requirements for the second degree and major, including the current basic studies requirements.

REQUIREMENTS FOR GRADUATION

Application for graduation must be filed in the Office of the Registrar on or before the dates specified in the university calendar.

Students may qualify for the bachelor's degree by completing successfully (1) the basic studies requirements, (2) an approved course of study in an academic major, (3) a minimum of 124 semester hours of credit, and (4) a minimum quality point average of 2.00. The final 30 semester hours of course credit, including the final 15 semester hours in the major, must be completed at the University of North Carolina at Wilmington.

Graduation will be certified at the end of the term in which all academic requirements are complete. Upon completion of all requirements, the student will receive either the Bachelor of Arts, the Bachelor of Music, the Bachelor of Science, or the Bachelor of Social Work degree.

In advising and registering students, the deans, the registrar and faculty advisors try to make certain that every student who intends to graduate from the university registers for those courses which are required for a degree. The student, however, must assume the final responsibility for meeting the graduation requirements set forth in the university catalogue.

A student who enrolls at the University of North Carolina at Wilmington during any academic year and who earns credit for work done during the year may graduate under the provisions of the entering catalogue or under any subsequent catalogue, provided all graduation requirements are completed within six years of the expiration date of the catalogue chosen.

RESIDENCY REQUIREMENT

The final 30 semester hours of course credit, including the final 15 semester hours in the major, must be completed at the University of North Carolina at Wilmington. Any exception to this requirement must be recommended by the appropriate dean for approval by the vice chancellor for Academic Affairs.

RETENTION, DISMISSAL AND RE-ADMISSION

The University of North Carolina at Wilmington both encourages and requires scholarship. In order to remain at the university, all students must meet the quality point requirements outlined below.

RETENTION CHART

Total Quality Hours and Transfer Hours	Required Quality Point Average for Eligibility To Continue in the University	Warning
1-16	1.20	1.20-1.99
17-26	1.40	1.40-1.99
27-58	1.65	1.65-1.99
59-88	1.90	1.90-1.99
89 or more	2.00	

Transfer students are placed in the above retention chart based on total hours transferred from all institutions attended. Transfer students' quality point averages are computed only on quality hours attempted through the University of North Carolina at Wilmington.

Any student who does not meet the minimum quality point requirement for retention at the conclusion of the spring semester will be declared ineligible. The student will be allowed to make up deficiencies during this university's summer sessions which immediately follow the spring semester in which he/she was declared ineligible. If such deficiencies are not removed the student will be dismissed from the university. The student may re-enroll for any summer and fall semester if space is available. Applications for re-enrollment are available in the Admissions Office and should be filed as early as possible to ensure enrollment consideration.

A second academic dismissal is final unless eligibility for continued residence or for readmission is restored by completion of sufficient work during the summer sessions at the University of North Carolina at Wilmington.

Students may, through appropriate administrative review of mitigating circumstances, be authorized to continue with their studies on a conditional basis. Written permission must be obtained from the appropriate dean prior to the beginning of the semester in which such students wish to enroll.

STUDENT CONDUCT

The filing of an application of admission shall be construed as both an evidence and pledge that the applicant accepts the standards and regulations of the University of North Carolina at Wilmington and agrees to abide by them. Each student, by the act of registering, is obligated to obey all rules and regulations of the university as stated in the *Student Handbook* and *Code of Student Life*, university catalogue, and other university publications. The university reserves the right to ask for the withdrawal of any student who refuses to adhere to the standards of the institution.

TRANSCRIPTS

Transcripts are issued to students by the Registrar's Office. All requests for transcripts must be in writing and must include the student's signature. Valid picture ID is required for personal pick up of transcripts.

Unless modified in accordance with established procedures, each grade assigned by faculty (including a grade of "W" or a grade in a course that has been repeated) is permanent and cannot be removed from a student's official record or transcript.

TRANSFER OF CREDIT

Students transferring to UNCW may receive up to 94 semester hours of academic credit from all institutions attended; however, no more than 64 semester hours can be transferred from two-year institutions. Correspondence courses (15 semester hours maximum), CLEP credit and military credit will be counted toward the total.

Credit earned at another institution with a grade of "C" (2.00) or better is accepted by the university if the work transferred is comparable to offerings of the University of North Carolina at Wilmington. The final 30 semester hours of course credit, including the final 15 semester hours in the major, must be completed at the University of North Carolina at Wilmington. Hours attempted and quality points earned at other institutions are not used in computing grade point averages except in the case of students applying to enter the nursing program and seniors graduating with honors and/or distinction.

TRANSIENT STUDY

See OFF-CAMPUS COURSES.

TUITION SURCHARGE

Effective fall 1994, all new undergraduates seeking a baccalaureate degree at the University of North Carolina at Wilmington will be subjected to a 25% tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110% of the required credit hours to complete an officially designated five-year program. For details concerning counted credit hours, students subject to the surcharge, students exempt from the surcharge, and the way that the surcharge is calculated, see the preceding catalogue section on "Expenses," subhead, "Tuition Surcharge."

WITHDRAWAL POLICY FOR UNDERGRADUATE STUDENTS

A student is allowed to withdraw from the university or from individual courses through the first week of the semester without having a grade entered on the academic record. Inclusive of the second through the sixth week of the semester, any student who withdraws from the univer-

sity or from individual courses will receive a grade of "W." A grade of "W" will not affect the student's grade point average. Beginning with the seventh week of the semester, a grade of "WF" may be assigned for each course withdrawal and will count as hours attempted; this failing grade may be changed to "W" should extenuating circumstances warrant. If a student is suspended after the deadline for withdrawal with a "W," each instructor shall assign a grade of "WF" or "W" based upon the student's academic performance prior to the suspension.

To withdraw from an individual class or classes, through the sixth week of classes, the student must report to the Registrar's Office before or on the last day for withdrawal, as indicated in the university calendar of events.

To withdraw from all classes and the university at any other time during the semester, the student must process an official withdrawal form through the office of the dean who oversees the student's major. A student who is assigned to Student Academic Support Programs must process the form through the director of Student Academic Support Programs. If the student is unable to appear in person to withdraw from all classes and the university, written notice must be sent to the appropriate dean's or director's office.

Should extenuating circumstances warrant, the grade of "WF" assigned for course withdrawal after the withdrawal deadline may be changed to a "W." It is the student's responsibility to initiate an appeal for this change to be made. In the case of late withdrawals from individual courses or late withdrawal from all courses, the student must initiate the appeal in the office of the dean or director as stipulated in the above procedure for university withdrawal. The decision of the dean or director is final and must be rendered prior to the end of the semester in which the withdrawal occurred. A grade of "WF" that is not appealed successfully remains a permanent part of the student's academic record.

Students attending summers session need to be cognizant that the withdrawal period in summer may be only one or two days. Therefore, summer school students should carefully note the last day to withdraw from classes as printed in the summer school schedule of courses.

STUDENT LIFE

DEAN OF STUDENTS

The Office of the Dean of Students serves as the primary focal point for addressing student needs, issues and concerns, and serves as a resource and referral office for all faculty, staff and students. The primary goal is to advocate for students in promoting individual success. Life at UNCW may sometimes seem overwhelming, but students should always feel they have the support of the Dean of Student's staff. We are available for university policy and procedure clarification, confidential consultations, personal and family crisis assistance, formal academic grievances, and referrals to all campus services. Acting in an advocacy role, the staff is committed to representing the student perspective to the university community. Within the Student Affairs Division, the Office of the Dean of Students provides consultation, new program development, and assistance to the vice chancellor with special projects. Specifically, the office advises the Greek Affairs system, supervises the commuter and non-traditional student center, publishes the *Student Handbook* and *Code of Student Life*, administers the student judicial system, including violations of the Academic Honor Code; develops and implements educational programs and services on sexual assault, sexual harassment awareness and prevention, and student advocacy issues; advises the student media boards; assists the Office of Affirmative Action in processing cases of discriminatory personal conduct, including sexual harassment; serves as the liaison to the Council of Campus Ministries; and coordinates with University Police all crisis intervention and emergency response strategies.

ART EXHIBITIONS

Monthly exhibitions of painting, sculpture and the graphic arts are held in the gallery-lobby of Kenan Hall. Student art is often featured. All exhibitions are open to the public without charge.

ASSOCIATION FOR CAMPUS ENTERTAINMENT

The Association for Campus Entertainment (ACE), coordinates the various student-produced events on campus. It provides a diversified schedule of programs, activities, and events that promote and provide opportunities for educational, social, and cultural growth for students and the campus community. ACE is comprised of the following committees: Lectures, Films, Port City Comedy, Underground, Publicity, Concerts, Homecoming, Springfest, and Cultural Arts. The organization is a member of the National Association for Campus Activities.

ATHLETICS

The university holds membership in the National Collegiate Athletic Association, Eastern College Athletic Conference, the Colonial Athletic Association and the Big South Conference. Varsity intercollegiate teams are fielded for men in basketball, cross country, baseball, golf, soccer, tennis, swimming and diving, and track and field. Varsity intercollegiate teams for women are fielded in basketball, softball, tennis, track and field, volleyball, swimming and diving, golf, cross country, and soccer.

Mission Statement

The mission of the Department of Athletics, based on and consistent with the purpose of the university, is to encourage student scholarship and sportsmanship with emphasis placed on helping students make appropriate progress toward completing their chosen academic degree program. Academic integrity is a basic element of all athletic programming decisions. This ensures that the educational values, practices and mission of UNCW set the standards for the program. UNCW's Athletic program is characterized by its quest for student excellence not only in competition, but also and especially in the academic setting. The university is committed to continually improving this program which is an integral part of campus life and one of several univer-

sity focal points for building student and regional involvement and support. Athletics provides opportunities for students to utilize their athletic skills through competition at the appropriate intercollegiate level and to have the university represented by men and women whose conduct and sportsmanship reflect positively on the institution. It seeks to field disciplined and competitive athletic teams dedicated to observing all applicable rules and to provide superior trainer and medical support to all intercollegiate athletes. Athletics also works to foster a sense of personal responsibility by all who attend athletic events. The program insists upon a high moral code of honor and respect from each of its athletes and personnel and adheres to all the policies, rules and guidelines of the National Collegiate Athletics Association and the Colonial Athletic Association. UNCW's athletic program is committed to complying with Title IX regulations and the promotion of affirmation action goals.

CAMPUS ACTIVITIES

Campus Activities enhances the university experience of students by engaging them in developing and participating in social, cultural, leisure, multicultural, intellectual, and campus governance programs. Through the diverse programs, students learn about varied cultures, ideas, issues, and art and musical forms. These activities are planned collaboratively by students and staff to support the mission of the university, including complementing and reinforcing the academic programs, retaining students, strengthening campus and community relations, and reflecting and promoting the diversity of students' needs and interests. Arts-in-Action, UNCWeekends, Welcome Week, Homecoming, SpringFest, and the Intercultural Festival are examples of these efforts.

CAMPUS RECREATION

The Office of Campus Recreation organizes and administers a variety of structured or self-directed recreational services that enhance the overall wellness of the university community. The primary goal of the program is to provide for quality recreational experiences within the university environment and direct this toward the individual's physical, cognitive and social life thus enhancing the educational experience. This goal is accomplished by offering a wide variety of recreational activities, conducting educational workshops and providing professional training. The Office of Campus Recreation provides a multi-faceted program which includes: Heart and Sole Fitness programs, intramural activities, Discover Outdoor programs, sport clubs and special events. Campus Recreation at UNCW takes a "something for everyone" approach.

COUNSELING CENTER

The UNCW Counseling Center provides confidential counseling to students and outreach services for students, faculty, staff and the wider community. The center offers free counseling to students experiencing social and emotional problems as well as for issues of self-acceptance, relationships, depression, anxiety, sexuality and family. In addition, students may be concerned about substance abuse, eating disorders or sexual abuse/assault. Specially trained professionals can consult, assess, intervene and support recovery for these issues. Individual and group counseling is offered as well as consultation for those concerned about how to help a friend.

The Counseling Center staff consists of qualified, trained mental health professionals with backgrounds in counseling and psychology. Practicum students and interns from the UNCW Department of Psychology or from other universities are sometimes employed and are directly supervised by our clinical staff. Counselors recognize that it is important to be seen during a time of crisis. Consequently, if a student feels a need to talk with someone quickly, the Counseling Center maintains daily walk-in hours Monday through Friday.

CROSSROADS (Substance Abuse Prevention and Education)

The Substance Abuse Prevention and Education Program, located on the second floor of Westside Hall, has extensive and up-to-date resource materials available to you about alcohol,

tobacco and other drugs and their effects, as well as information about how to help yourself, a student, or someone else who may have a problem with substance abuse. All materials are free of charge, while some are available on loan. CROSSROADS provides educational sessions, conducted by program staff and peer educators to faculty and staff, students, clubs, organizations, and residence life groups. Topics include information about health risks, decision-making, drinking and other drug effects, and responsible party planning. Whether you have questions about drugs for personal reasons, academic assignments or a group, your interest will be handled in a confidential manner.

DISABILITY SERVICES

The University of North Carolina at Wilmington is open and accessible to students with disabilities. We are committed to providing assistance to enable qualified students to accomplish their educational goals, as well as assuring equal opportunity to derive all of the benefits of campus life. Disability Services has devoted much energy to meeting the requirements of Section 504, Federal Rehabilitation Act, and to the Americans with Disability Act. In addition, this office serves as a full-time advocate for students with disabilities, as well as a resource for faculty, staff and administration. Students needing accommodations should contact the coordinator of Disability Services and provide appropriate documentation of the disability.

DISCOVER OUTDOOR CENTER

Discover Outdoor Programs, the outdoor adventure component of the Office of Campus Recreation, provides opportunities for the UNCW community to participate in exciting and educational outdoor pursuits. Participants in Discover programs practice and experience leadership skills, trust, communication and teamwork while having an opportunity to gain healthy life long leisure skills. Programs offered through Discover include: the UNCW Challenge Ropes Course, Adventure Trips, equipment rentals, skills clinics, a resource library, and outdoor leadership training.

FOOD SERVICE

The UNCW Food Service operation is committed to providing quality food products served in clean and comfortable facilities. The program is available to all students, faculty, and staff seven days a week when classes are in session. Wagoner Dining Hall, built in 1989, is a modern 600-seat facility that serves unlimited seconds on every meal. Cash operations include: The Hawk's Nest, located in the University Union; a pizza delivery program; and a convenience store located in Apartment Building M.

Information about commuter student meal plans is available at the Auxiliary Services Office in the Burney Student Support building. Telephone (910) 962-3560.

HONOR SOCIETIES AND AWARDS

Omicron Delta Kappa Society, Inc.

Omicron Delta Kappa (ODK) is the National Leadership Honor Society that recognizes and encourages superior scholarship, leadership, and exemplary character. Membership in ODK is a mark of the highest distinction and honor.

The society recognizes achievement in scholarship; athletics; campus or community service; social, religious activities, and campus government; journalism, speech and mass media; and the creative and performing arts. Emphasis is placed on the development of the whole person, both as a member of the college community and as a contributor to a better society.

Phi Alpha Theta International Honor Society in History

Phi Alpha Theta is an honor society recognizing excellence in the field of history. It was founded at the University of Arkansas on March 14, 1921. The UNCW Chapter was commis-

sioned on March 18, 1992, making it one of nearly 700 chapters throughout the world. Membership requirements are the completion of at least 12 hours of work in history with better than a "B" average and a "B" in two-thirds of the remaining course work. The society publishes the quarterly journal *The Historian*.

Phi Eta Sigma National Honor Society

Phi Eta Sigma is a national college scholastic honor society for freshmen. A member of the Association of College Honor Societies, it was founded at the University of Illinois on March 22, 1923. The University of North Carolina at Wilmington Chapter of Phi Eta Sigma was chartered on March 17, 1979.

The goal of Phi Eta Sigma is to encourage and reward high scholastic attainment among freshmen. At the close of their first academic year, freshmen are eligible for membership if they have a cumulative grade point average of 3.50 or better with no grade lower than "C" on 30 hours or more course work at UNCW.

The Honor Society of Phi Kappa Phi

Phi Kappa Phi is an honor society recognizing excellence of scholarship in all academic disciplines. A member of the association of College Honor Societies, it was founded at the University of Maine at Orono in 1897 and numbers about 250 chapters nationwide. Chapter Number 222 at the University of North Carolina at Wilmington was chartered on May 1, 1980.

Seniors and second semester juniors are elected to membership based on integrity of character and class standing. The GPAs necessary for election to Phi Kappa Phi for second semester juniors, first semester seniors and second semester seniors are 3.75, 3.69, and 3.60, respectively.

Psi Chi National Honor Society in Psychology

Psi Chi is the national honor society in psychology. It was founded in 1929 in New Haven, Connecticut, to encourage, stimulate and maintain excellence in scholarship, and to advance the science of psychology. Psi Chi is an affiliate of the American Psychological Association and a member of the Association of College Honor Societies. The University of North Carolina at Wilmington Chapter of Psi Chi was chartered on May 1, 1981, and is one of approximately 675 chapters nationwide.

Rho Phi Lambda National Honor Society

Rho Phi Lambda is a national honorary fraternity for parks, recreation and leisure services majors. Eligibility for membership includes junior or senior standing; completion of a minimum of 59 hours of which 26 hours must be at UNCW in parks/recreation courses. Students must have a 3.00 GPA overall for all courses taken with a 3.20 GPA in the major.

Sigma Delta Pi, National Collegiate Hispanic Honor Society

Sigma Delta Pi is a national collegiate honor society for students of the Spanish language and Hispanic literature and culture. A member of the Association of College Honor Societies, it was established at the University of California, Berkeley, on November 14, 1919. The Rho Lambda Chapter of Sigma Delta Pi was chartered at the University of North Carolina at Wilmington on April 22, 1988.

The primary purpose of Sigma Delta Pi is to encourage and honor those who seek and attain excellence in the study of Hispanic language, literature and culture.

Alumni Association Achievement Award

The Scholastic Achievement Award is presented by the Alumni Association to the graduating senior who has attained the highest academic average in their graduating class and whose academic work was done exclusively at the University of North Carolina at Wilmington. This award is presented at the December commencement to the student who graduated the previous summer

and at the May commencement to the students in the graduating classes of May and of the previous December.

Biological Sciences Achievement Award

This award was established by the faculty of the Department of Biological Sciences to honor annually the graduating senior biology major who has achieved the highest academic standing. The recipient is identified on a permanent plaque in Friday Hall.

William A. Bryan Senior Leadership Award

The Leadership Center with the support of the Alumni Association sponsors the William A. Bryan Senior Leadership Award. The award is given to a senior with a cumulative GPA of 3.00 who has demonstrated outstanding leadership on campus and/or in the community. Special emphasis is placed on integrity, creativity, ability to collaborate, and service to others. The award is offered yearly at the May commencement for seniors graduating in May, August, or December of the current year.

Chancellor's Achievement Award

Student's who complete a minimum of 15 semester hours with no grade lower than "A-" qualify for this award.

Rachel Freeman Service and Leadership Award

The award, established in honor of the late "Mae" Rachel Freeman, is given to a student who has demonstrated commitment to bettering the lives of others, leading through example of service, and the ability to work with others to create social change.

Hoggard Medal For Achievement

A medal, presented through the generosity of the late Dr. John T. Hoggard, is awarded annually to the graduating senior who, in the opinion of the faculty, has shown the most improvement during his or her years at the university. The medal is presented each year at commencement.

Adrian D. Hurst Award

Established by Adrian D. Hurst, emeritus professor of mathematics, this award recognizes a UNCW junior or senior math major who has achieved the highest overall academic grade point average. The award is presented each spring in the form of a plaque.

New Student Leader Award

The New Student Leader Award is designed to honor a freshman or transfer student who has excelled in his or her student organization. This award recognizes an individual who exemplifies the ideal of a leader by participating in the organization's internal activities as well as in community service projects and general service to the good of the organization.

The Walter Schmid Physics Award

This award has been established in honor of the late Walter Schmid, engineer and inventor, to reward a senior bachelor of science physics major for excellence in physics. The award consists of an engraved plaque and a physics encyclopedia.

HOUSING AND RESIDENCE LIFE

The Office of Housing and Residence Life is responsible for the development of educational, cultural and social programs to enhance student life on campus. The goal of the Housing and Residence Life program is to create an environment conducive to academic pursuits and the personal growth of resident students. Over 45 Residence Life staff are responsible for the super-

vision of resident students in the residence halls, on-campus apartments, and suite-style buildings.

The university has residence hall facilities for approximately 2,100 students in seven modern, conveniently located residence halls, 13 apartment buildings, and seven suite-style buildings. All rooms are air-conditioned and furnished, and laundry facilities are available. The Residence Life program offers opportunities for student employment and leadership positions through hall governance. Students living on campus are required to participate in the university dining hall program.

INTERNATIONAL STUDENT ORGANIZATION

The International Student Organization is a support group, a social network, and a promoter of international programs. The group consists of American students who have traveled and studied abroad and international students who are enrolled at the university. The organization hopes to foster an international presence on the campus and to help international students become familiar with American culture, the local area, and university life.

LEADERSHIP CENTER

Since leadership and action in our democracy occur in groups of individuals working toward common goals, the Leadership Center is designed to nurture people who serve in leadership and participant roles. The Leadership Center's ultimate mission is to create a dynamic process that encourages students to improve the quality of life as active citizens during and after the college experience.

The Leadership Center represents an ever-evolving, highly experiential alliance among academic programs, the Division of Student Affairs, and the Wilmington community. The Leadership Center's programs promote self-awareness, leadership development, organizational excellence, appreciation of diversity, and recognition that global issues and concerns are part of a dynamic, interrelated system. Through innovative and collaborative efforts with students, faculty, staff and community leaders, students recognize the proactive roles they can play as leaders by cultivating the strengths within themselves and others.

The Leadership Center hosts a variety of programs including leadership education, development, and training; the Leadership for the 21st Century Speaker Series; various statewide leadership conferences; and the UNCW Volunteers Program.

MEDIA AND PUBLICATIONS

The *Seahawk*, the student newspaper, is published weekly. Its staff is composed entirely of students.

Atlantis, a literary magazine, is published by students each spring.

WLOZ, the campus cable radio station, is completely run by students. The station broadcasts campus-wide, every day, at 89.1 FM.

The *Student Handbook* and *Code of Student Life* is the primary source of information regarding university regulations and campus life.

MINORITY AFFAIRS

The Office of Minority Affairs is responsible for providing educational experiences that promote the academic and personal growth and development of minority students. Through the efforts of this office, minority students have additional avenues that lead to inclusion and involvement in the total university community. Additional functions of this office include management of the Upperman African American Cultural Center and sponsorship or participation in programming such as orientation, Minority Visitation Day, workshops, the Minority Mentor Program, a tutorial referral service and other activities that focus on various ethnic populations.

NATIONAL TESTING PROGRAM

The National Testing Program coordinates the administration of national certification and admissions exams for such programs as TOEFL, GMAT, GRE, PRAXIS and many others. UNCW, in cooperation with Educational Testing Service (ETS) and Sylvan Prometric, provides students with a four-station testing facility. Located on the 2nd floor of Westside Hall, both computer- and paper-based testing are offered to the university community.

PERFORMING ENSEMBLES

Membership is open to any student who has had instrumental or vocal experience, with the approval of the director of the particular ensemble.

Concert Choir and Chamber Singers

The University Concert Choir and small ensemble, the Chamber Singers, regularly act as ambassadors for the university and appear on radio and television. The Concert Choir performs at least two on-campus concerts each year and tours during spring break. On occasion, the choir has participated in joint stage productions of opera and musical comedies with the drama program.

Jazz Ensembles

In addition to the Big Band, UNCW has several small groups that play both mainstream and fusion jazz. The Big Band has produced recordings, while the small groups have garnered awards at jazz festivals and have recorded as well. Also, each year the jazz ensembles perform with some of today's top jazz artists during the annual UNCW Guest Artist Jazz Festival.

Wilmington Symphony Orchestra

The orchestra's annual subscription series includes five concerts performed in UNCW's Kenan Auditorium, the principal concert hall in Wilmington. Orchestra members include UNCW students and faculty, as well as musicians from the community.

Wind Ensemble

The Wind Ensemble is organized each semester to provide instrumental music experience for wind players in a large ensemble. This ensemble performs two concerts each year in Kenan Auditorium and tours annually in the spring.

Other instrumental ensembles include the Pep Band, the Brass Ensemble, the Saxophone Ensemble, the Flute Choir, the Guitar Quartet, the Percussion Ensemble and various Chamber Ensembles.

Vocal Ensembles

The University of North Carolina at Wilmington Concert Choir is organized each semester to provide vocal musical experience for those students who desire it. Membership is open to any student in the university, with the approval of the director, and any participant may earn credit. Participation by non-music majors may be supplemented by private lessons, also for credit.

The University Concert Choir and small ensemble, The Chamber Singers, regularly provide music for university functions, appear on radio and television, and act as ambassadors from the university at a wide spectrum of community functions.

The UNCW Concert Choir's yearly activities have included at least two on-campus concerts and an extensive tour during the spring holidays. On occasion, the choir has participated in large, joint stage productions of opera and musical comedies with the drama division.

STUDENT GOVERNMENT ASSOCIATION

The core of student life at the university is the Student Government Association. Officers, class senators, and at-large representatives are elected by the student body.

The association is a democratic organization, permitting expression of student opinion, working for the best interest of the university and upholding a high standard of morals and conduct. Student activity fee money supports the Student Government Association in its objectives and activities.

Services such as legal services, discounted movie tickets, campus entertainment, and organization funding are primary components of the comprehensive SGA program. The association is a member of the North Carolina Association of Student Governments.

STUDENT HEALTH CENTER

The Student Health Center complements the academic mission of the university by providing high quality, accessible, cost effective health services that address students' health needs.

Services include the confidential diagnosis and treatment of general and acute medical problems, allergy injections, immunizations, laboratory services, women's health care, contraception services, men's health assessment, and preventive services. There is a nominal charge for some of these services over and above the health fee.

The health fee is included in student fees and entitles students taking six or more credit hours to health services. Students taking less than six hours will be entitled to health services upon payment of the health fee.

The Student Health Center does not issue excuses for class absences due to illness.

Student Health Insurance

A university sponsored Student Group Health Insurance Plan is available at a reasonable rate. Contact the Student Health Center or the Dean of Students Office for information.

Pharmacy

The UNCW Pharmacy is located upstairs in Westside Hall. Students may fill prescriptions from any provider and may purchase a variety of over-the-counter medications. Crutches are also available for rental.

STUDENT ORGANIZATIONS

Over 130 social, academic, special interest, and service organizations enhance student life at UNCW. National sororities and fraternities are established on the campus to recognize students for their leadership and service activities. Several departments in the university have local and national affiliated groups to stimulate interest in specific areas, recognize academic achievement, and develop professional attitudes. Special-interest groups address a variety of subjects, including political, religious, sports, and professional interests. Students are encouraged to contact the Campus Activities staff in the Union, Room 214, for specific information relative to any student organization.

UNCW VOLUNTEERS

The UNCW Volunteers, closely affiliated with the Leadership Center in the University Union, helps students, faculty and staff locate volunteer opportunities in New Hanover County. The emphasis is on learning leadership through serving. Service opportunities include: placement with a community agency, one time "plunge" service projects, alternative break trips, and international service trips with the Global Volunteers.

UNIVERSITY INFORMATION CENTER

The Information Center, located on the first floor of the University Union, provides a variety of information about campus, student and community activities, as well as campus telephone numbers. The center also provides discount movie ticket sales, athletic and event ticket sales, campus lost and found, magazines and newspapers, umbrella check-out, locker rentals, vending machine refunds, change, and FAX service.

UNIVERSITY POST OFFICE

UNCW Postal Services operates a U.S. Post Office contract station located in the University Center. A variety of mailing services are provided, including postage sales, money orders, mailing supplies, and Express Mail service. In addition to postal services, a FAX service is available for sending and receiving FAX transmissions. All services are available Monday through Friday from 8:30 a.m. to 4:30 p.m. at the post office window and may be purchased using the ***UNSea Card***.

Student Mail

Most students enrolled at UNCW are issued a post office box for their personal and university correspondence. **All university correspondence, with the exception of tuition bills and grades, is mailed to this box.** Students are asked to check their boxes regularly as mail is distributed Monday through Friday by 1 p.m.

Post office box combinations are available at the post office window at no charge. Students who need assistance opening mail boxes should contact the post office window staff.

UNIVERSITY READERS THEATRE

The University Readers Theatre provides students with an opportunity to participate in both the performance and technical production of a readers theatre script. Students attend open audition and may take part in the reading, publicity, lighting, set design and managing of the show.

One major production is usually presented each semester. During semesters when the readers theatre course is offered, class members of that course will comprise the University Readers Theatre troupe. Interested students may inquire further at the Fine Arts Department.

UNIVERSITY THEATRE

The University Theatre is a student-oriented theatre dedicated to the continuing development of all theatre practitioners. It strives to produce a total theatrical experience to support the educational, creative, and recreational potential of a campus-based theatre.

Two major productions are presented each semester, with student productions presented on demand. Participation is not limited to dramatic art students, but is open to all university personnel and community residents.

UNIVERSITY UNION/WARWICK CENTER

Student life is enriched at the University of North Carolina at Wilmington by a broad spectrum of activities, most of which occur in or around the University Union and Warwick Center. The union is a 53,000-square-foot facility which houses student organization offices, conference rooms, lounges, study areas, the Hawk's Nest and Union Station snack bars, rental lockers, the University Information Center, art exhibit space, and an assortment of student services such as the commuter and non-traditional student center.

Across the street from the union is the 43,000-square-foot Warwick Center, with the U.S. Post Office, automatic teller machines, recreation and games facilities, lounges, Center Stage, ballroom, Discover Center, and space for large and small events.

With the guidance of the Union's Office of Campus Activities, students are provided opportunities to plan, execute, attend, and evaluate a wide variety of programs and activities. With the guidance of the Union's Leadership Center, student leaders and their organizations are provided activities which assist them in attaining, refining and using good leadership skills. With the belief that education is not bound to the classroom, it is the union department's goal to educate, entertain and enlighten the university community, while providing a laboratory for student growth and an arena for development of cultural, social, recreational and leadership awareness.

THE *UNSea Card*

The *UNSea Card* is your UNCW student ID and your official form of identification on campus. It allows you the use of campus facilities, and provides you with ***S***afe ***e***asy ***a***ccess to uni-

versity services. The *UNSea Account* is the debit account feature of your *UNSea Card*. With your prepaid funds, you can make purchases at all food service locations, bookstore, vending machines, student copiers, the copy center, health center and pharmacy, laundry machines and UNCW postal services. There is no minimum deposit or a fee for the use of this account. Deposits can be made at the Auxiliary Services office, Randall Library and the Seahawk Station in Apt. M. For more information, visit the Auxiliary Services office in the Burney Support Services Building.

WELLNESS SERVICES

Wellness Services is the central campus resource responsible for the management of health and wellness based educational programs, consumer health issues, and direct care consultations and referrals. Through these efforts, the center promotes, supports and affirms healthy living behaviors among members of our campus community. Educational programs which address a wide range of health topics, combined with a comprehensive peer education program, assist students in making healthy lifestyle choices now and in the future.

STUDENT SUPPORT OFFICES AND SERVICES

STUDENT AFFAIRS SUPPORT SERVICES

The central purposes of the Division of Student Affairs are facilitating student development and offering educational programs and services that stimulate the learning process. As a partner in the educational mission of the university, the Student Affairs professional promotes an environment conducive to growth and discovery. The Division of Student Affairs supports and complements the academic program through its commitment to the total development of students by contributing to their physical, occupational, social/environmental, intellectual, spiritual, and emotional growth. For additional information, see the section on "STUDENT LIFE" elsewhere in this catalogue.

CAREER SERVICES

The central purpose of Career Services is to help students prepare for academic and career success. The center assists freshmen and sophomores with self-assessment, values clarification and occupational data to help them make informed choices of academic majors. Career Services also provides opportunities for experiential learning and discovering the relationship of skills acquired to the broader work world. Career Services helps graduating seniors translate their academic achievements, co-curricular activities and work experiences into successful job campaigns or graduate school applications. For more information, visit Career Services on the internet at: www.uncwil.edu / stuaff /career/.

DISABILITY SERVICES

See the section in "STUDENT LIFE" elsewhere in this catalogue.

MINORITY AFFAIRS

The Office of Minority Affairs provides a tutorial referral service and educational experiences that foster the inclusion of various ethnic populations on campus into the total university community. For additional information, see the section on "STUDENT LIFE" elsewhere in this catalogue.

STUDENT DEVELOPMENT SERVICES

The University of North Carolina at Wilmington Student Development Services integrates the activities of the Counseling Center, CROSSROADS (Substance Abuse Prevention and Education), Disability Services, National Testing Program, Pharmacy, Student Health Center and Wellness Services. The interaction of these providers and educators addresses the developmental health and wellness concerns of the university community and its students.

Students seeking Student Development Services are afforded appropriate privacy and confidentiality as well as ease in referral to resource professionals. Student Development Services understands the importance of a seamless continuum of care in attending to individual students and their needs. Contact UNCW Student Development Services or an individual service unit for questions concerning referral information. For more detailed information on services, see individual listings in "STUDENT LIFE" section.

STUDENT ACADEMIC SUPPORT PROGRAMS

The University of North Carolina at Wilmington is committed to helping students achieve academic success. Student Academic Support Programs (SASP) is responsible for many of the programs and services that help students make a smooth transition to the many challenges of the academic world. Included in SASP are the Center for Academic Advising, The Learning Center, Minority Student Retention and Academic Enrichment, Athletic Academic Support, and coordination of University Studies courses.

CENTER FOR ACADEMIC ADVISING

The Center for Academic Advising (CAA) serves as the academic home for students during their first and possibly second year of study at the university. The center is staffed full time with professional advisors and faculty members who represent the College of Arts and Sciences, Watson School of Education, School of Nursing, and the Cameron School of Business. The CAA advisors provide the students personal guidance and encouragement in selecting courses, maintaining required scholastic standards, and planning a complete educational program. Advisors also assist with the registration process and promote a timely plan toward graduation. The CAA encourages students to undertake a rigorous academic load and provides a four-year/eight-semester plan for each major offered by the university. The Center for Academic Advising works with other offices to coordinate support for all students including minority students and student athletes.

The advising process begins with summer or fall orientation and continues for two semesters of pre-registration activity or until a major is declared. Students are encouraged to work closely with their advisors who monitor drop/add, mid-semester progress, and end-of-semester grades. Students are ultimately responsible for their academic progress and performance; however, the CAA seeks to ensure that every student makes a successful transition to academic life. As part of this goal, the CAA promotes the Freshman Seminar and Learning Center to improve college-level study skills, time management, awareness of university resources, and other aspects of college life.

Several intervention programs are also offered. The Successful Educational Achievement Plan, or S.E.A.-PLAN, is designed for students placed on academic warning after the fall semester. Individual meetings with advising staff focus on the development of a contract to assist the students in meeting required academic standards. Referrals to appropriate offices for academic assistance and follow-up meetings to discuss grade reports with advisors are all part of the plan. A similar summer program is provided to aid those students who are academically ineligible.

THE LEARNING CENTER

The Learning Center is available to all UNCW students who wish to improve their ability to study more systematically and efficiently and to excel academically. The center has four programs: Tutorial Assistance, the Writing/Reading Place, the Math Lab, and Supplemental Instruction.

Tutorial Assistance

Tutorial assistance is available in all basic studies courses; however, it is not provided as a substitute for class requirements or poor class attendance. Tutoring sessions focus on the acquisition of systematic study skills as well as effective mastery of course content. Learning Center tutors are carefully selected for their expertise in particular subject areas and receive training to enhance their tutoring skills. Since the Learning Center is committed to continuous communication between instructors and tutors, it employs only tutors who are recommended by faculty members in the appropriate disciplines. Students typically agree to meet with tutors on a regular basis early in the semester and work toward eventual self-directed independence from tutoring.

The Writing/Reading Place

The major goal of the Writing/Reading Place is to help students develop or improve their writing skills in all courses. Our consultants want students to understand that there are various approaches to writing assignments, and that the composing process is recursive and is based on a series of options that the writer controls. The Writing/Reading Place helps students mature as writers and encourages them to become self-sufficient. The consultants show students how to handle the challenges of writing, proofreading, and editing their papers. Periodic help sessions on style, technical control, and documentation are scheduled throughout each semester.

The Writing/Reading Place also presents effective approaches to reading for increased comprehension and retention of academic text material as well as thinking critically about the material read. Consultants present critical reading and study skills techniques during individual conferences. This approach encourages students to read actively and think critically. Students may also avail themselves of an extensive library of self-paced reading and study skill development materials. Periodic workshops are scheduled in the following areas: time management, critical reading approaches, note taking, textbook study strategies, memory improvement, and preparation for objective and essay tests.

The Math Lab

The purpose of The Math Lab is to help students make the transition from high school-level mathematics courses to college-level mathematics courses. Students may receive help with note-taking skills, how to approach math assignments, problem-solving techniques, summary techniques and studying for math exams as well as assistance with solving specific problems. Math Lab consultants do not work homework problems for students, but rather show them how they can learn to approach and solve problems on their own. The Math Lab staff strives to help students become independent thinkers and learners; students are encouraged to form study groups with others enrolled in the same course. Students should check The Math Lab bulletin board for announcements about workshops on learning/study skills, specific course review sessions, and new materials and software. Other services and resources include diagnostic and placement testing, mathematics computer software and videotapes to support various courses, and reference textbooks. Students can use The Math Lab on a drop-in basis or may schedule an appointment for more individualized assistance.

Supplemental Instruction

The Supplemental Instruction (SI) program brings emphasis on learning/study skills into the classroom. SI targets high-risk courses and integrates how-to-learn with what-to-learn. Informal SI meetings are out-of-class, peer-facilitated sessions during which student groups learn to integrate course content with reasoning skills. Three to five one-hour sessions each week are typically conducted by trained SI leaders who have been recommended by faculty members. The SI leader attends all classes, does all assignments, and conducts the SI sessions to help students perform better in the course. Available SI classes are announced during pre-registration periods and at the beginning of each semester. All SI sessions start the first week of classes and follow a regular schedule each week throughout the semester. Attendance is voluntary, but students are encouraged to attend regularly throughout the entire semester. SI is designed to help improve student performance through regular attendance at SI sessions, not by attending one session before a test or quiz.

National data show that students who participate in SI sessions earn one-half to one letter grade higher than students who do not attend SI sessions and withdraw less often than non-SI participants.

MINORITY STUDENT ACHIEVEMENT AND ACADEMIC ENRICHMENT

The Minority Student Achievement and Academic Enrichment Program is designed to be an integral part of a student's educational program. The purpose of the program is to improve the matriculation, retention, and graduation rates of students of color. A primary focus of the program

is to equip students with the tools necessary for good problem solving, personal development, and other areas crucial to college success. Academic services are developed, implemented, and coordinated to foster a favorable institutional climate. The program seeks to enrich and expand classroom learning by enabling students to gain better understanding of themselves and the university. The ultimate goal of the program is to help students acquire a broad vision, recognize and cope with complex social problems, and appreciate achievement in a diverse society.

ATHLETIC ACADEMIC SUPPORT

The Athletic Academic Support office seeks to help student athletes successfully balance the sometimes conflicting demands of academic and athletic responsibilities. It is recognized that a student athlete can benefit from a variety of services designed to promote timely progress toward graduation. This office, in conjunction with other campus offices, helps students to meet their individual academic and social needs.

After the admissions process is completed, the office of Athletic Academic Support assists students with registering, selecting a major field of study, applying for academic scholarships, and arranging tutorial assistance, and monitors degree progress, grades and class attendance. Once a student has declared a major, the office continues to monitor academic progress in conjunction with the student's faculty advisor.

Central to the role of this office is maintaining a strong working relationship with the university's Athletic Department and the individual coaches. The staff is knowledgeable about NCAA academic rules that apply to eligibility for practice and competition and is responsible for abiding by NCAA, CAA and institutional regulations (see following section). In addition, this office is available for consultation when unusual or difficult academic rule interpretations are needed. The staff also plays a key role in the athletic/academic certification process for all student athletes.

Athletic Academic Eligibility Requirements

The Academic Athletic Support program helps to monitor the academic progress of each student athlete as it relates to NCAA, CAA and institutional rules and regulations. The following are examples of rules applying to a student's academic progress:

- Students must be enrolled in no fewer than 12 semester hours (full-time) during the fall and spring semesters to be eligible for practice, competition and financial aid
- Students must earn or average no fewer than 24 applicable semester hours during a calendar year, of which 18 must be during the academic year
- Before the beginning of the third year (fifth semester) of enrollment, each student must designate or declare a major field of study and make satisfactory progress toward that degree
- Students must meet UNCW and NCAA minimum cumulative grade point averages in order to compete
- In order to determine athletic eligibility, all freshman students must be approved through the NCAA Initial-Eligibility Clearinghouse

A number of other policies affect a student athlete's participation in a sport. Additional information can be found in the *Student Athlete Handbook.*

UNIVERSITY STUDIES

University Studies courses are graded, credit-bearing courses offered through Student Academic Support Programs and taught by selected faculty and staff members. All courses are designed to assist students in making a successful adjustment to their new academic environment and to build a strong foundation for their success in other courses. For a listing of these courses, see "University Studies" in the "COURSE DESCRIPTIONS" section of this catalogue.

ACADEMIC PROGRAMS

The University of North Carolina at Wilmington offers four-year programs leading to the Bachelor of Arts, the Bachelor of Music, the Bachelor of Science, and the Bachelor of Social Work degrees. Graduate programs lead to the Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Education, Master of Fine Arts in Creative Writing, Master of School Administration, Master of Science, Master of Science in Nursing, and Master of Science in Accountancy degrees. Professional undergraduate programs include those offered in the Cameron School of Business, the Watson School of Education, the School of Nursing and the Clinical Laboratory Science program in the College of Arts and Sciences. Pre-professional programs are offered in agriculture and forestry, allied health, health-related careers, dentistry, law, medicine, optometry, pharmacy, physical therapy, podiatry and veterinary medicine. The university offers special programs in marine sciences and environmental studies, and a 2+2 program in engineering, as well as a number of opportunities for students to enrich their course of study throughout their academic careers as undergraduates.

BASIC STUDIES REQUIREMENTS

Basic Studies at the University of North Carolina at Wilmington is defined as the acquisition of essential skills and an introduction to the broad spectrum of studies which are basic to our intellectual and cultural heritage. The program is designed to develop skills in comprehension, composition, reasoning and analysis; to introduce students to the structure, methodology and knowledge of academic disciplines; and to address important human concerns from disciplinary or interdisciplinary perspectives.

To qualify for the bachelor's degree from the University of North Carolina at Wilmington, all students must acquire a total of 45 semester hours less exemptions.

A. Composition (6 hours)

Students must complete either a sequence of ENG 101-102, or must complete ENG 103. Placement in either ENG 101-102 or ENG 103 is determined by an English placement test or by scores on the Advanced Placement or the CLEP test. ENG 103 is a 3-credit course, but successful completion of the course satisfies the basic studies composition requirement.

B. Physical Education (2 hours)

Required: PED 101

C. Humanities (12-18 hours)

Required: A minimum of 12 and a maximum of 18 hours elected from the following four categories with a minimum of three hours in each category.

1. Literature (3-9 hours)
   ENG 110, 209 (CLA 209), 210 (CLA 210), 211, 212, 223, 224, 225, 226, 230, 232, 233, 290
   CLA 209 (ENG 209), 210 (ENG 210)
   FRH 209, 321, 322
   GER 209
   SPN 209, 210, 321, 322
2. History (3-9 hours)
   HST 101, 102, 103, 201, 202, 237, 261, 271, 273, 275
3. Philosophy (3-9 hours)
   P&R 101, 103, 115, 125, 201, 202, 205, 215* or 216* or 217*, 230, 232, 233, 235, 236, 238, 240, 242
   * Basic studies credit from P&R 215, 216 and 217 may not exceed three semester hours.
4. Language (3-9 hours, of which at least three must be in a foreign language)*
   FRH 101, 102, 120, 201, 202, 301
   GER 101, 102, 120, 201, 202, 305
   ITN 101, 102

JPN 101, 102, 201, 202
LAT 101, 102, 201, 202
PRT 101, 102, 201, 202
SPN 101, 102, 103, 104, 120, 201, 202, 203, 305
COM 110
P&R 110
* This requirement is waived for students who score at the 300 level or above on the foreign language placement exam.

D. Fine Arts (3-9 hours)

Required: A minimum of three and a maximum of nine hours elected from the following, with no more than six hours from any one discipline.

ART 201, 202
COM 116
THR 112, 136, 221, 225
MUS 101, MUSL 101, MUS 105, 115, 116, 117, 118, 119, 140, 184*, 185*, 186*, 187*

*Basic studies credit from MUS 184, 185, 186, and 187 may not exceed a total of three semester hours.

E. Natural Sciences and Mathematical Sciences (10-16 hours)

Required: A minimum of 10 and a maximum of 16 hours from the two areas of natural sciences and mathematics as described below.

1. Natural Sciences (7-12 hours)

   Required: A minimum of seven and a maximum of 12 hours, including at least one laboratory science course and a minimum of three hours each in the life and physical sciences. Courses that satisfy the laboratory science requirement (when taken with the appropriate laboratory section) are starred below.

   a. Life Science courses

      ANT 210
      BIO 105*, 110*, 205*, 206*, 234, 235, 236, 237, 238, 240*, 241*
      GLY 135
      PED 216*, 217

   b. Physical Science courses

      CHM 101*, 102*, 103*, 215*
      GGY 130*, 230
      GLY 101*, 102*, 120*, 150
      PHY 101*, 102*, 103, 105*, 201*, 202*, 260

2. Mathematical Sciences (3-8 hours)

   Required: One of the following courses:

   MAT 101, 111, 112, 115, 141, 151, 161

   Additional credit may be earned by electing from the following list:

   CSC 105, 112, 121
   MAT 102, 112, 142, 151, 152, 161, 162, 275
   P&R 218
   STT 205, 210, 215, 262

   Basic studies credit from CSC 112 and 121 may not exceed three semester hours; basic studies credit from STT 205, 210, and 215 may not exceed three semester hours.

F. Social and Behavioral Sciences (6-12 hours)

Required: A minimum of 6 and a maximum of 12 hours elected from the following, with no more than 6 hours from any one discipline.

ANT 105, 205 (SOC 205), 206, 207
CRJ 105
ECN 125, 221, 222
GGY 140, 180, 181, 210
PLS 101, 111, 202, 206, 207

PSY 105, 145, 220, 223
SWK 235
SOC 105, 110, 205 (ANT 205), 215, 220

G. Interdisciplinary Perspectives (0-6 hours)

There is no minimum requirement in this category. A maximum of six hours may be elected from the following:

GRN 101
HON 110, 210
SHS 110

Restrictions on Courses from Individual Disciplines

1. A maximum of nine credit hours from any academic discipline (as defined by the three-letter course code), excluding ENG 101,102, and 103, can count toward the 45 hours of basic studies.
2. No more than two specific basic studies requirements (as indicated by letter or letter-number code in the above structure), excluding ENG 101, 102, and 103, can be met by courses in one academic discipline (as defined by the three-letter course code).

Waiver of Requirements

English: Students who have not qualified for advanced placement but who because of special circumstances may have writing competencies equal or superior to those required in ENG 101, 102, or 103 may present evidence of these writing competencies to the chairperson of the Department of English and request a waiver. At the chair's discretion either or both requirements may be waived. This waiver does not grant academic credit.

Mathematics: Students who have not qualified for advanced placement but who may have competencies equal or superior to those required for successful completion of MAT 151 or 161 may, at the discretion of the chairperson of the Department of Mathematics and Statistics, take a waiver examination for either of these courses. An acceptable score on this exam waives the requirement that one of the introductory mathematics courses be taken. This waiver does not grant academic credit.

Students with Existing Degrees: For students who already possess an undergraduate degree from an accredited college or university, the dean of the College of Arts and Sciences (or her/his designee), after consultation with the chair(s) of the academic unit(s) through which the student is pursuing the second degree, will determine the extent to which the previous course work meets the spirit of UNCW's current basic studies requirements and will determine any remaining requirements to be completed.

REQUIRED ORAL COMMUNICATION COMPETENCY

The university requires all students to develop competency in oral communication prior to graduation. Students in each major must satisfy the requirement of oral communication competency as specified by that major.

Currently approved as oral communication intensive courses are: ART 495, BIO 495, CHM 495, COM 110, CRJ 110, CSC 495, ECN 495, EDN 409, 411, 465, ENG 495/496, EVS 495, FRH 301, GGY 495, GLY 495, HST 290, MAT 346, 471, 495, MGT 455, MUS 495, NSG 330, 370, 389, 489, PED 235, PHY 495, PLS 401, 495, P&R 400, PSY 405, REC 270, SOC 490, SPN 305, THR 495.

REQUIRED PHYSICAL EDUCATION

Through participation in the required physical education program, students should expect to develop an understanding of the role of life-long physical activity in enhancing the quality of one's life.

The university requires all students to complete with a passing grade PED 101, Foundations of Physical Activity. Transfer students who have not had an equivalent course must also com-

plete this requirement. Students with disabilities are encouraged to participate to the fullest extent possible in physical education activities and are encouraged to consult with the chairperson of the Department of Health, Physical Education, and Recreation concerning participation in these activities.

The university requires all students to provide a current physical (within two years if less than 35 years of age, and within one year if over 35 years of age) and information regarding their current health status on the Report of Medical History form available through the Admissions Office. Completion of this requirement is a prerequisite to:

1) enrollment in any physical education activity course,
2) participation in any physical education activity course,
3) utilization of the physical education facilities for recreational purposes.

Based on the information contained in this report, the student will be assigned to one of three categories listed below:

A. Unrestricted participation
B. Restricted participation
C. Temporarily restricted participation because of an injury or illness

ENRICHMENT COURSES AND PROGRAMS

Depending on their interests and abilities, UNCW students may choose from several kinds of special courses and programs to individualize and otherwise enrich their studies.

DIRECTED INDIVIDUAL STUDY

This course, designated as 491 in each department, involves investigation beyond what is offered in existing courses. To enroll in a Directed Individual Study, students must have an overall grade point average of at least 2.00 and the approval of (1) the faculty member who will direct the study, (2) the departmental chairperson, and (3) the appropriate dean. Departmental criteria will include (1) the availability of the instructor (ordinarily, instructors will not supervise more than six student credit hours of Directed Individual Study per semester), (2) the appropriateness of and need for the proposed study in the student's program, (3) the availability of library and other research resources, and (4) the feasibility of completion of the proposed study in the allotted time. Students are limited to nine credit hours of Directed Individual Study toward graduation requirements, not more than three of which can be outside the student's major.

FAST TRACK PROGRAM

The Fast Track program is designed to enable a student to graduate from UNCW in three years, including summer sessions. All of the courses (or approved course substitutions) that are on a predetermined schedule appropriate to the selected Fast Track degree program are guaranteed to be available to students admitted to this program. Information about the degree programs available on the Fast Track and the procedure for admission to the program may be obtained from the Office of Admissions.

All new freshmen and other students whose degree completion requirements fit the program are eligible to apply for admission.

FIELD EXPERIENCES

Several departments within the College of Arts and Sciences and the professional schools offer field experience courses as part of their semester or summer programs. Participating students conduct individual or group research under faculty guidance at selected areas within and outside the continental United States. Apart from the greater Wilmington area, field experience courses have been conducted in such places as the Florida Keys, Barbados, the Bahamas, Portugal, and parts of Central and South America.

GRADUATE COURSES

Seniors at UNCW with at least a "B" average in the major who need 15 or fewer hours to complete the requirements for the bachelor's degree may take one or two graduate courses for the purpose of later receiving graduate credit, provided that they are not enrolled for more than a total of 15 hours. To do this, the student must (1) obtain permission in advance from his or her department chair or school dean, as appropriate, and (2) present it to the Graduate School for approval. Permission forms may be obtained in the Graduate School. Graduate courses taken under this provision may not be used to fulfill baccalaureate degree requirements.

Course descriptions and prerequisites are listed in the Graduate Catalogue.

HONORS SCHOLARS PROGRAM

Diane E. Levy, *director*
William D. Atwill, *associate director*

The Honors Scholars Program at the University of North Carolina at Wilmington provides academically talented students with innovative and unique educational experiences. The program seeks to encourage curiosity, critical thinking, and independent work skills by offering ex-

citing academic and cultural activities as well as the opportunity for close working and social relationships with the faculty.

Admissions to Honors

Check with the Honors director for specific requirements at each level. Multiple points of entry into the Honors Program are possible:

- As entering freshman (by invitation of the Honors Scholars Program)
- As sophomores (based on high academic achievement in freshman year, including transfer students)
- As juniors/seniors in Departmental Honors (including transfer students)

Program Requirements for Graduation with University Honors

To graduate with University Honors, a student must:

1. complete at least 12 credit hours of basic studies courses honors sections*
2. complete six credits of "Interdisciplinary Honors Seminars" (HON 110 in fall of freshman year; HON 210 in fall of sophomore year)
3. complete two credits of "Honors Enrichment Seminar" (HON 120)*
4. maintain academic eligibility: at the completion of 27 credit-hours at UNCW, an overall grade point average of 3.00 or better in all coursework is required. An overall grade point average of 3.20 or better must be established by the completion of 58 credit-hours and maintained thereafter.
5. complete requirements for Departmental Honors (see below)

*Note: students entering as sophomores complete HON 210, one credit hour of HON 120, and at least six hours of honors basic studies.

Honors Courses

These courses are restricted to students formally enrolled in the Honors Scholars Program or others admitted by permission of the Honors director.

Honors sections of basic studies courses: Each semester several honors sections of basic studies courses will be offered on a rotating basis. These sections are usually restricted to 20 students to allow for enhanced student-faculty interaction and discussion.

Honors Seminars: Three kinds of honors interdisciplinary seminars are offered each year. The first is a team-taught, three-hour course designed to introduce all freshman honors students to the college experience by direct involvement in research, service, and leadership activities. This course may not be repeated for additional credit. The second course is a one-hour, team-taught enrichment seminar that requires student attendance at or participation in a variety of campus visual/performing/cultural events and lectures. This course may be elected by honors students at any level and may be repeated for a maximum of two semester hours. The third is a three-hour, team-taught, interdisciplinary seminar that offers an in-depth investigation of a special topic using the approaches of several disciplines. This course may be repeated under different subtitles. For a listing of these seminars, see the COURSE DESCRIPTIONS section of this catalogue.

Departmental Honors

Upperclassmen who qualify as candidates for Departmental Honors must perform outstanding scholarly work appropriate to the academic standards of the student's major in the form of a six-credit Departmental Honors project. A student who fulfills requirements for Departmental Honors will be acknowledged as having done so upon graduation.

A student who previously has not participated in the honors program may qualify as a candidate for Departmental Honors based on the student's grade-point average. Students with at

least 74 semester hours credit who have a grade point average of 3.20 or better on all college work attempted, who have completed at least 30 semester hours of work with a 3.20 or better grade point average at UNCW, and who are recommended by the major department chair (or dean where appropriate) are eligible to enroll in coursework with a 499 designation which indicates the senior project in that discipline. Academic departments may require a higher grade point average for eligibility for Departmental Honors in their discipline.

Departments in each discipline determine appropriate preparatory academic experiences for Departmental Honors in that field. Candidates for Departmental Honors may fulfill preparations for senior capstone work beginning in the junior year through one or more of the following:

1. Directed Individual Study (DIS) courses which lay the groundwork for more advanced projects
2. Departmental or interdisciplinary seminars and/or internships which encourage independent work in a variety of ways such as performance, research, service
3. Study Abroad and/or National Student Exchange
4. Honors components of regular department courses: "Honors Contract" courses at the 300 or 400 level in which an honors student and his or her instructor enter into a contract which stipulates enhanced academic responsibilities for the student, such as presentations or papers. Successful performance in such classes would be identified by an "Honors" label on the course as it appears in the student's transcript.

The Departmental Honors project culminates in independent study under the supervision of a faculty member in the student's major field. This independent study should be completed in two three-credit hour semesters or three two-credit hour semesters. The results of the honors work are summarized in a paper and presented orally before an examining committee.

Co-Curricular Activities

Students will be offered opportunities and incentives to participate in co-curricular activities such as field trips, campus events, study abroad and community events.

Honors Residence

Students are encouraged to reside in the Honors House, a residence with special facilities and a computer lab. A senior honors student mentor will live in the residence to assist honors students with activities, programming, and adjustment to university life.

INTERNATIONAL PROGRAMS

James P. McNab, *director*
Elizabeth A. Adams, *study abroad coordinator*
Heather S. Smith, *international programs coordinator*

The Office of International Programs was established at the University of North Carolina at Wilmington to represent a commitment to international education. The office has responsibility for faculty and student exchange programs and other international activities at the university. Its goal is to expand and strengthen international ties among individuals, units, and programs on campus and to encourage the exchange and flow of ideas and information so crucial for the development of global knowledge and awareness. UNCW is a member of the International Student Exchange Program (ISEP). ISEP offers exchange possibilities for UNCW students in over 100 universities abroad. Additionally, UNCW offers exchange and study abroad opportunities for students in Australia, Barbados, Brazil, Chile, China, Costa Rica, Ecuador, Finland, France, Germany, Great Britain, Japan, Jordan, Korea, Spain, Sweden and Thailand. Summer study abroad opportunities are also available to UNCW students in many locations. Faculty and staff exchanges are encouraged. Further information can be obtained by contacting the director of International Programs.

Academic departments at the university may offer special international study courses during the regular semesters or summer sessions without adding them to their permanent curricula.

Each course must be approved by the appropriate dean. These courses will include regular classroom assignments, lectures and discussions, travel and field work, and visits to historic and cultural sites. Study will take place outside the United States, usually in association with local universities abroad. Numbers designating these courses are 294 and 494.

Students who want a study abroad exchange experience with a university with which UNCW has such an agreement must sign up for INT 294 or 494 for 12 credit hours. Students must enroll in this course during the preregistration or registration period prior to the semester abroad and pay tuition and fees to UNCW at the full-time rate. UNCW students who study abroad retain their active UNCW student status and will not have to reenroll upon return.

INTERNSHIPS

Several departments in the College of Arts and Sciences and the Cameron School of Business offer students the opportunity to earn academic credit within a work environment. The purpose of the internship experience is to enhance, supplement, and integrate the learning that occurs in formal classroom settings. Permission of the dean and department offering the internship is required to enroll, and limits are placed by the department on the number of credit hours earned in this manner which may be applied toward graduation. For further information on internships, refer to the courses numbered 498 in the course listings and then contact the departments offering them.

NATIONAL STUDENT EXCHANGE (NSE)

Students can participate in this exciting and challenging program that provides an opportunity to attend (for one year or one semester) another NSE network university. At little or no more cost to students than they are now paying, NSE is an opportunity to experience new places, ideas and cultures while attending a school that complements and supplements our course offerings, as it becomes one of the "satellite campuses" of UNCW. Campus coordination is provided by the Office of Housing and Residence Life.

SUMMER SCHOOL

Summer School constitutes an integral part of the university's year-round program. The principal academic terms of summer are two five-week sessions and a four-week intersession. A variety of courses is offered for students who wish to accelerate their progress toward graduation, to supplement the academic load carried during the regular terms, or to remove grade deficiencies. In addition, courses are offered for K-12 school teachers to renew or change fields of certification. During the summer sessions, students from other colleges and universities may be admitted as visitors by using the "Visiting Student" application. Credit hours earned during the summer are excluded from the twenty-five percent (25%) tuition surcharge imposed on students who take more than 140 degree credit hours to complete a baccalaureate degree in a four-year program. Further information concerning the summer sessions may be obtained by contacting the director of summer school.

TECHNOLOGY COLLEGE

Gabriel G. Lugo, *director*

The UNCW Technology College (TC) is a program designed to push the pedagogical limits of electronic technology in university-level instruction. Students in the Technology College will receive high-quality instruction through advanced technologies, including the World Wide Web, video-conferencing, and on-line interactive presentations and testing. The Technology College program is free and available to all UNCW students, but the program is more suitable for those who enroll early in their studies.

Technology College students will enjoy privileges such as exclusive use of a state-of-the-art computer lab with video-conferencing capabilities and on-line access to curriculum materials.

The program does not require an additional course load, but rather students in the program select those courses within the regular curriculum that are enhanced with technology. Upon completion of the Technology College program, all students will be able to:

- use the Internet and the World Wide Web as a research tool
- use electronic technology to present information
- incorporate multimedia in presentations
- use electronic technology to communicate and collaborate with colleagues at a distance
- use electronic technology to collect and analyze data
- participate in electronic technology-based lifelong learning opportunities

Admissions to the Technology College

All students at UNCW are eligible to apply to the Technology College, but the program is more suitable for students in their first and second year of study at UNCW. Students at higher levels can participate in the Technology College as long as they are able to complete the program requirements. The admission process will be formalized only after successful completion of the required Technology Seminar (TEC 101) within one semester of application. The Technology College curriculum is focused towards courses which fulfill basic studies requirements, but a variety of other courses in most disciplines is available.

Students interested in the Technology College should read the complete description of the program and submit the on-line application posted at the web site: http://www.uncwil.edu/tc.

Student Requirements

The requirements of the Technology College are:

- successful completion of TEC 101 (1 credit hour)
- successful completion of at least an additional eight courses with a minimum of 24 hours of credit chosen from a list of courses approved by the Technology College. The list on a semester by semester basis is available at the Technology College web site.

Students who successfully complete these requirements will receive a certificate and will have an entry recorded in their transcripts.

UNIVERSITY STUDIES

University Studies courses are designed to assist freshmen and other students new to UNCW in their transition to university life and learning. The courses offer elective credits and are taught by faculty and staff selected from across the university. Among the topics addressed in University Studies are study skills, time-management techniques, goal-setting for college and careers, and use of the library and electronic information resources. For a listing of these courses, see "University Studies" in the COURSE DESCRIPTIONS section of this catalogue.

DEGREE PROGRAMS AND REQUIREMENTS

UNDERGRADUATE DEGREES OFFERED

Majors for the Bachelor of Arts Degree

Anthropology
Art History
Athletic Training
Biology
Chemistry
Communication Studies
Criminal Justice
Economics
Education of Young Children
Elementary Education
English
Environmental Studies
French
Geography
Geology
History
Mathematics
Middle Grades Education
Music
Parks and Recreation Management
Philosophy and Religion
Physical Education
Physical Education and Health
Physics
Political Science
Psychology
Sociology
Spanish
Special Education
Studio Art
Theatre
Therapeutic Recreation

Major for the Bachelor of Music Degree

Music Education
Music Performance

Majors for the Bachelor of Science Degree

Biology
Business Administration
Chemistry
Clinical Laboratory Science
Computer Science
Environmental Studies
Geology
Marine Biology
Mathematics
Nursing
Physics

Major for the Bachelor of Social Work

Social Work

MINORS

A student may elect a minor in any academic discipline listed below. The student must meet with the department chairperson or coordinator to define the requirements to complete the minor. Declaration of a minor is done in the Registrar's Office. Minors will be awarded at the same time as the baccalaureate degree. Upon completion of requirements and attainment of a degree, the minor will be posted on the student's academic transcript.

Minors

African-American Studies
American Studies
Anthropology
Art History
Chemistry
Classical Studies
Computer Science
English
Environmental Studies
European Studies
Film Studies
French

Geography
Geology
Gerontology
German
History
Jazz Studies
Latin American Studies
Leadership StudiesStudies
Mathematics
Middle East Studies
Music
Native American Studies
Parks & Recreation
Philosophy
Physics
Political Science
Religion
Science, Humanities and Society
Sociology
Spanish
Statistics
Studio Art
Theatre
Women's Studies

GRADUATE DEGREES OFFERED

Master of Arts
English
History
Mathematics
Psychology

Master of Arts in Teaching
English
History
Mathematics
Science

Master of Business Administration

Master of Education
Curriculum/Instruction Supervision
Elementary Education
Middle Grades Education
Reading Education
Special Education

Master of Fine Arts
Creative Writing

Master of School Administration

Master of Science
Biology
Chemistry
Geology
Marine Biology
Marine Science
Mathematics

Master of Science in Accountancy

Master of Science in Nursing
Family Nurse Practitioner

ADMISSION TO DEGREE PROGRAMS

New and reenrolling freshmen, unclassified and special admission students, and other students who have not yet been accepted into a degree program are assigned to Student Academic Support Programs (SASP) for academic support. Each of these students is assigned a SASP advisor who assists the student in selecting courses to fulfill basic studies requirements, maintaining the required academic standards, and choosing a major. All SASP advisors emphasize

the importance of undertaking a rigorous academic load consisting of 15-16 credit hours each semester in order to complete all requirements for graduation within four years and can provide model four-year graduation plans for all majors offered by the university.

Admission to the College of Arts & Sciences

Students wishing to declare a major within the College of Arts & Sciences will request to have their records transferred to the appropriate department no earlier than the end of the second semester of the freshman year and no later than the end of the sophomore year. See departmental requirements for any prerequisites to declaring a major.

Admission to the Professional Schools

Students wishing to declare a major within a professional school will request to have their records transferred to the appropriate school no earlier than the end of the second semester of their freshman year and no later than the end of the sophomore year. These students will then be assigned to that school for pre-professional advising.

Students seeking admission to the Cameron School of Business or the Watson School of Education normally submit their applications to the appropriate school immediately upon completion of the third semester of study, provided the minimal requirements as stated in the university catalogue have been met at the time of application.

Students seeking admission to the School of Nursing must submit applications to the Office of the Dean, School of Nursing. Application forms and deadline dates are available from the School of Nursing.

I. Requirements for Admission to the Cameron School of Business

1. Each applicant for admission must have completed a minimum of 44 semester hours with a cumulative grade point average (GPA) of 2.20 or better (4.00 scale).
2. Bachelor of Science:
   The following courses are required for admission to the Cameron School of Business:
   Must be completed:

ENG 101-102, or 103	College Writing and Reading I and II, or III
MAT 111 or 115	College Algebra or Precalculus
ACG 201	Financial Accounting
ECN 221	Principles of Economics-Micro

   Must be completed or enrolled:

ACG 203	Managerial Accounting
ECN 222	Principles of Economics-Macro
PDS 217	Statistical Analysis for Business
MAT 151 or 161	Basic Calculus w/Applications I or Calculus with Analytic Geometry

   Bachelor of Arts:
   Same as above except that students studying for the bachelor of arts degree are not required to complete ACG 201 or ACG 203 and may substitute STT 205 for PDS 217.
3. Students may not enroll in restricted courses nor enroll in more that 15 semester hours with the school beyond preadmission courses without being formally admitted to the school. A list of restricted courses is available in the Cameron School's Degree Program Office.
4. Each applicant must have completed a Cameron School of Business Admission Orientation.

II. Requirements for Admission to the Watson School of Education and the Teacher Education Program

1. Completion of the university requirements in English, mathematics, and a science laboratory course with a grade of "C" or better in each course.
2. Completion of EDN 200, "Teacher, School and Society", with a grade of "C" or better.

3. Completion of four semesters or two academic years of full-time college study, or completion of required Basic Studies program. A minimum overall grade point average of 2.50 on a 4.00 scale on work attempted at UNCW is required. Transfer students must earn a 2.50 on a minimum of 12 hours completed at UNCW. Pending final approval, the GPA requirement for admission will change to 2.70 cumulative in fall 2000.
4. Passing scores on teacher education entry tests specified and mandated by the Board of Education of the state of North Carolina.

   NOTE: Students may not enroll in EDN 300-or 400-level courses until they are admitted to the Watson School of Education.

III. Requirements for Admission to the School of Nursing-Bachelor of Science Degree Program Admission Criteria

1. A 2.50 total GPA is required for evaluation of a student's transcript by the School of Nursing. Each student's total GPA, including the fall semester/quarter grades of application year, is calculated on all transferable college courses attempted at all accredited institutions of higher education according to the guidelines in use by the UNCW Admissions Office.
2. Successful completion of all prerequisites prior to Summer Session I of the year of admission, as per the university calendar as follows:
   a. A minimum of 39 hours of Basic Studies completed prior to admission.
   b. Minimum grade of "C" in the following courses and their accompanying labs: CHM 101, CHM 215; BIO 240, BIO 241, BIO 246; MAT 111. (A "C" is a 2.00 GPA in each course on a 4.00 scale)
   c. Successful completion of each of the following courses or their equivalent: ENG 101 and ENG 102, or ENG 103; PED 101; PSY 105, PSY, 223; SOC 105, SOC 345 or PSY 366; MAT 111; BIO 240, 241, 246; CHM and CHML 101; CHM and CHML 215 or BIO 110; STT 210.
3. Evidence of high school graduation or a GED certification that would meet the university's minimum admission requirements.
4. Physical, mental, and emotional health that enables a student to participate in and complete the program.

In addition to the minimum criteria the following will also be considered:

1. Students with a prior baccalaureate degree from a regionally accredited institution.
2. Students with backgrounds in keeping with the university's commitment to a diverse student body.
3. Students' GPA on courses prerequisite to nursing. (See Admission Criterion #2, a, b, c)

Admission Requirements-RN ACCESS Program

1. Admission to the university.
2. A current license to practice as a registered nurse in North Carolina.
3. A 2.50 total GPA is required for evaluation of a student's transcript by the School of Nursing. Each student's total GPA, including the fall semester/quarter grades of application year, is calculated on all transferable college courses attempted at all accredited institutions of higher education according to the guidelines in use by the UNCW Admissions Office.
4. Physical, mental, and emotional health that enables a student to participate in and complete the program.
5. Within the new nursing curriculum, a group of required clinical courses are deemed as oral intensive in the nursing major. NSG 389 and 489 are required courses for registered nurses in the baccalaureate program.

DEGREE REQUIREMENTS

COLLEGE OF ARTS AND SCIENCES

Jo Ann Seiple, *dean*
Rudi H. Kiefer, *associate dean*
Stephen J. Pullum, *associate dean*

The College of Arts and Sciences offers a variety of programs in the liberal arts leading to the Bachelor of Arts, Bachelor of Music, Bachelor of Science, Bachelor of Social Work, Master of Arts, Master of Fine Arts in creative writing and Master of Science Degrees. To implement these programs, the college provides instruction, research, and creative opportunities in the fine arts and humanities as well as in the natural, physical, and social sciences. The 18 academic departments in the college provide courses of study in each of these areas, in addition to interdepartmental programs in African-American studies; American studies; classical studies; environmental studies; European studies; film studies; gerontology; Latin American studies; leadership studies; Middle East studies; Native American studies; science, the humanities and society; and women's studies. A professional program in clinical laboratory science; pre-professional programs in agriculture and forestry, allied health, health-related careers, dentistry, law, medicine, optometry, pharmacy, physical therapy, podiatry and veterinary medicine, and a 2+2 program in engineering are also offered in the college.

Degree requirements for all undergraduate majors and minors available in the College of Arts and Sciences are listed below. Requirements for the graduate degrees are listed in the Graduate School Catalogue, while those for professional, pre-professional, and special programs are listed in those sections of this catalogue. See the index below for the beginning page number of the specific degree requirements and course descriptions. Please note that all internship courses (498 designation) offered by departments within the college have a prerequisite of a minimum overall grade point average of 2.00; specific departments may require a higher overall average, as noted in their internship course descriptions.

COLLEGE OF ARTS AND SCIENCES

African-American Studies 101
American Studies 101, 154
Anthropology 127, 154
Art 102, 158
Biological Sciences 103, 162
Chemistry 104, 169
Classical Studies 105, 172
Clinical Laboratory Sciences
(Medical Technology) 144, 172
Communication Studies 106, 173
Computer Science 106, 178
Creative Writing 107, 178
Criminal Justice 127, 177
Earth Sciences 107
Engineering 146, 192
English 108, 193
Environmental Studies 110, 200
European Studies 111
Film Studies 112
Foreign Languages and Literatures 112, 203
French 113, 203
Geography 108, 206
Geology 108, 208
German 112, 114, 205
Gerontology 114, 211
Health 114, 211
Health, Physical Education and Recreation 114
History 116, 212
Italian 112, 220
Japanese 112, 221
Latin 112, 221
Latin American Studies 117
Leadership Studies 117, 221
Marine Biology 104, 117
Mathematics and Statistics 118
Mathematics 118, 221
Middle East Studies 120
Music 120, 228
Native American Studies 123
Parks and Recreation Management 115
Philosophy 123, 240
Philosophy and Religion 123
Physical Education 115, 246
Physics and Physical Oceanography 124, 252
Political Science 124, 254
Portuguese 112, 258
Pre-Professional Programs 147
Psychology 125, 258
Recreation 115, 262
Religion 123, 242
Science, the Humanities and Society 126, 265
Social Work 126, 272
Sociology 127, 265
Sociology and Anthropology 126
Spanish 113, 269
Statistics 120, 271
Theatre 102, 274
Women's Studies 128, 278

DEPARTMENTAL REQUIREMENTS

AFRICAN-AMERICAN STUDIES
(Interdepartmental)

Dr. E. Sheridan, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in African-American studies which affords students the opportunity to learn about the many facets of the African-American experience. The minor encompasses courses in history, English, political science, sociology, criminal justice, communication studies and philosophy and religion.

Requirements for a Minor in African-American Studies: To earn a minor in African-American studies requires 18 hours, including nine hours in core courses. The remaining hours may be taken from the electives below, including at least three hours at the 300 level or higher.

Students must earn at least a "C" (2.00) average in courses counted for a minor in African-American studies.

Courses taken to fulfill major requirements cannot be used to fulfill requirements for the African-American studies minor. Core Courses: ENG 232, HST 261, and PLS 340. Electives: COM 390, 391; CRJ 370; ENG 355; HST 371, 372, 373, 374; MUS 116, 119; PLS 330; P&R 243; SOC 325.

AMERICAN STUDIES
(Interdepartmental)

Dr. L. Rohler, Jr., *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in American studies, providing students with the opportunity to develop an understanding of the nexus of ideas and events which shape the American experience and the symbolic representation of these ideas and events in American literature and art.

Requirements for a Minor in American Studies: To earn a minor in American studies requires completion of 21 hours, including nine hours of core courses and 12 hours of electives. At least three hours must be at the 300 level or above. No more than nine hours may be taken from any one department.

Electives: any courses above not selected as core courses; and ART 209, 310; Com 290, 450; ENG 232, 350, 351, 352, 353, 355, 384; GGY 352; HST 330, 331, 333, 339, 346, 347, 348, 352, 353, 354, 355, 356, 357, 358; MUS 116; PLS 208, 272, 300, 301, 307, 309, 340, 405, 407, 415; SOC 200, 304.

Students must earn at least a "C" (2.00) average in courses counted for a minor in American studies.

Courses taken to fulfill major requirements or requirements for another minor may not be used to fulfill requirements for this minor. Core Courses: ENG 223 or 224: American Literature I or II; HST 201 or 202: American History I or II; P&R 205 American Philosophy or P&R 242 Religion in America.

ANTHROPOLOGY
(See Sociology and Anthropology)

ART AND THEATRE

http://www.uncwil.edu/att

Dr. K. Moore, *chair.*

The Department of Art and Theatre is comprised of divisions of art and theatre. The department offers majors leading to B.A. degrees in studio art, art history and theatre.

ART

Ms. Conner, Mr. Furst, Dr. Janson, Mr. LeQuire, Dr. Moore, Dr. Myers, Ms. Worthington.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in art a student must successfully complete ART 495 or any other approved oral intensive course (see list on page 89).

Requirements for a Major in Art History for the B.A. degree: ART 201, 202, 308; six hours of studio art to be chosen from ART 101,102, 111, 112; HST 101, 102. 18 hours in art history at the 300-400 levels. No more than three hours of ART 491 may be counted toward the major.

Requirements for a Minor in Art History: ART 201, 202, 308; 15 hours of 300-400 level art history. No more than three credits of ART 491 or three credits of ART 498 may be counted towards credit in the minor. Courses counted toward a major in studio art (i.e. ART 201, 202, 308) cannot be counted toward completion of minor requirements. Nine additional hours of art history courses may be chosen to fulfill minor requirements for studio art majors. A grade of "C" (2.00) or better is required for each course counted toward the minor.

Requirements for a Major in Studio Art for a B.A. degree: ART 101, 102; ART 111 or 112; ART 201, 202, 211, and 308; and 27 hours chosen from at least three different studio areas. All majors are required to submit a portfolio for review by a faculty committee and participate in a senior exhibition the last semester before graduation.

Requirements for a Minor in Studio Art: ART 101,102; 15 hours of 200-400 level studio art courses chosen from at least two different areas. At least six hours must be at the 300-400 level. No more than three credits of ART 491 or three credits of ART 498 may be counted towards credit in the minor. Courses counted toward a major in art history (i.e. ART 101, 102) cannot be counted toward completion of minor requirements. Six additional hours of studio art courses may be chosen to fulfill minor requirements for art history majors. A grade of "C" (2.00) or better is required for each course counted toward the minor.

A "C" (2.00) is required in each course counted toward the major or minor.
Courses taken toward a major cannot be counted toward a minor and vice versa.

THEATRE

Mr. Hawley, Mr. Macie, Dr. Rogers, Ms. Sargent, Dr. Theodore, Dr. Vincent.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in theatre a student must successfully complete THR 495 or any other approved oral intensive course (see list on page 89).

Requirements for a Major in Theatre for a B.A. degree: THR 201, 210, 231, 241, 242, 243, 307, 321, 322, 355, 486, and 12 additional credits in theatre, including at least six credits at the 300-400 level. THR 246, 247, 248, 250, 251, and 252 may not be counted as credit toward the major.

Requirements for a Minor in Theatre: THR 130 or 231, 201, 210, 241, 242, 321, or 322, and three additional credits in theatre at the 300-400 level.

A "C" (2.00) is required in each course counted toward the major or minor.

BIOLOGICAL SCIENCES

http://www.uncwil.edu/bio

Dr. S. Quackenbush, *chair.* Dr. Ballard, Dr. Bolen, Dr. Cahoon, Dr. Clavijo, Dr. Dillaman, Dr.Dodd, Dr. Dunn, Dr. Durako, Dr. Emslie, Dr. George, Dr. Hackney, Dr Hosier, Dr. Kapraun, Ms. Kendrick, Dr. Kinsey, Dr. Lindquist, Dr. Lundeen, Dr. Merritt, Dr. Mintzes, Dr. Pabst, Dr. Padgett, Dr. Pawlik, Dr. Plyler, Dr. Posey, Dr. Roer, Dr. Roye, Dr. Sayigh, Dr. Shafer, Dr. Sizemore, Dr. Sieren, Dr. Webster.

Students may declare a major in biology after completion of 30 semester hours of credit with at least a 2.50 overall grade point average and completion of BIO 110 and 205 or 206 with an average of 2.50 or higher.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in biology a student must successfully complete BIO 495.

Requirements for a Major in Biology for the B.A. degree: BIO 110, 205, 206, which should be taken early in the program of study, BIO 495 and completion of the additional requirements for one of the options described below.

Option 1. General. A minimum of 30 hours chosen from biology courses numbered above 299. CHM 101-102 with lab.

A "C" (2.00) average is required on all BIO courses above 200.

This option is a flexible program which can be designed by a student and an advisor to meet personal educational goals and interests which may or may not include graduate study. The program may be used to meet a set of specific requirements, for example, certification for teaching at the secondary school level.

Option 2. Premedical Sciences. BIO 315, 335 with lab, 345 or 347 or 465, and a minimum of eight hours chosen from BIO 316, 320, 371, 377, 410, 425, 435, 440. CHM 101-102 with lab, 211-212 with lab, 235; PHY 101-102; MAT 151, 152.

A "C" (2.00) average is required on all BIO courses above 299.

This option is designed for students who wish pre-professional training in medicine, dentistry, optometry, and other health-care fields. The sequence of courses conforms to entrance requirements prescribed in publications of the Association of American Medical Colleges, the American Association of Dental Schools, and the Council on Optometric Education of the American Optometric Association.

Option 3. Conservation Biology. BIO 109, 335, 365 or 356, 366, 466, 475; CHM 101 and CHML 101, CHM 102 and CHML 102; and 11 additional hours selected from BIO 345 or 355, 358 or 452, 364, 375, 377 or 446, 430, 435 or 436, 454, 456, 457, 482.

This option is designed for students who are interested in the field of conservation biology or natural resource management. STT 215 is strongly recommended. Those students who plan to pursue graduate study should also take CHM 211-212, CHML 211-212, and either PHY 101-102 or 201-202.

A "C" (2.00) or better average is required on all BIO courses above 299.

Requirements for a Major in Biology for the B.S. degree: BIO 110, 205, 206, which should be taken early in the program of study, 335 with lab, 345 or 347 with lab or 355, 366, 495. CHM 101-102 with lab, 211-212 with lab or CHM 211 with lab and BIO 465 with lab; PHY 101-102 or 201-202; MAT 151; STT 215; and at least eight additional hours from courses numbered above 299, at least three hours of which must be cellular/molecular biology. (The following are

considered to be courses in cellular-molecular biology: BIO 320, 347, 410, 425, 430, 435, 436, 440, 465.)

A "C" (2.00) average is required on all BIO courses above 299.

Students planning to attend graduate school are encouraged to take CHM 235; MAT 152; CSC 111, 121, 125, 126; FRH 201-202 or GER 201-202. This degree program is designed for those students who plan to attend graduate school or seek employment in various fields of biological specialization.

Requirements for a Major in Marine Biology for the B.S. degree: Basic core requirements are BIO 110, 205, and 206, which should be taken early in the program of study, 335 with lab, 345 or 347 with lab or 355, 362, 366, and 495 and a minimum of 10 hours chosen from BIO 358, 365 or 481, 446 or 472, 457, 458, 462 and 468. CHM 101-102 with lab; GLY 150; PHY 101-102 or 201-202; MAT 111-112 or 115-151 or a higher sequence; and a minimum of four semester hours chosen from CHM 211-212, 235, 255, 475; CSC 112, 126; GGY 333; GLY 101, 337; STT 215.

A "C" (2.00) or better average is required on BIO courses above 299.

The UNCW marine biology curriculum is a unique baccalaureate program in the university system. It includes a strong foundation of biology with an emphasis in marine biology at the junior and senior levels. Full use is made of the natural laboratory provided by the adjacent Atlantic Ocean through extensive field work in many marine biology courses. The curriculum is flexible enough to meet the individual needs of the student enabling preparation for graduate studies or for teaching and research careers available to one with the baccalaureate degree.

Requirements for Teacher Licensure in Biology: In addition to completing the requirements for a degree in biology or marine biology and the other requirements of the Teacher Education Program, the following courses are required for licensure: BIO 315, 235 or 335 with or without lab, 345 or 347 with or without lab or 355, 366, 238 or 425, GLY 101 or 150, and PHY 101 or 105.

For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Requirements for a Major in Clinical Laboratory Science for the B.S. degree:
(See Clinical Laboratory Science)
http://www.uncwil.edu/catalogue/cls.htm

CHEMISTRY

http://www.uncwil.edu/chem

Dr. W. Cooper, *chair.* Dr. Adcock, Dr. Burgess, Dr. Cahill, Dr. Halkides, Ms. R.B. Jones, Dr. S.B. Jones, Dr. Kiddle, Dr. Kieber, Dr. Levy, Dr. Manock, Dr. Martin, Dr. Messina, Dr. Reeves, Dr. Sayed, Dr. Seaton, Dr. Skrabal, Dr. Ward, Dr. Willey.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in chemistry a student must successfully complete CHM 495.

Requirements for a Major in Chemistry for the B.A. degree: BIO 110; CHM 101-102, CHM 211-212, CHML 211-212, CHM 235, CHML 235, CHM 255, 312, CHML 312, CHM 321, CHML 321, CHM 445, 495; MAT 161-162; PHY 201-202 and one of the following options:

1. at least seven semester hours from CHM 377, CHML 377, CHM 415, 417, 419, 420, 435, CHML 420, 435, CHM 465, 466, 467, 475, 478, 485, 490, 491* and 499*
   (*If 491 or 499 is used, the student must take a total of three credit hours in 491 and may count only three of the six credit hours taken as 499 for credit toward the major.)

2. Teacher Education Requirements.
   A "C" (2.00) or better on each chemistry course, and an overall average of "C" (2.00) in all chemistry courses.

The following courses are recommended electives for some particular areas of interest:

Environmental Chemistry: BIO 205 or 206; CHM 377, CHML 377; EVS 195, 495; GLY 120, and STT 215.

Marine Chemistry: BIO 205 or 206, 362; CHM 475; and GLY 150.

Industrial Chemistry: CHM 377, 435, 485 and CHML 377 and 435; ACG 201 and either PDS 217 or STT 215.

Premedical Science: BIO 206; CHM 417, 419, 465, 466, 467

Teacher Education Requirements: see Watson School of Education section of the catalogue. For Secondary Teacher Licensure in General Science as well as Chemistry take BIO 110 and an additional BIO course, PHY 260, and two courses from GLY 101, 120, 150. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Requirements for a Major in Chemistry for the B.S. degree: CHM 101-102, 211-212, CHML 211-212, CHM 235, CHML 235, CHM 255, 312, CHML 312, CHM 321, 420, CHML 321, 420, CHM 435, CHML 435, CHM 445, CHML 445, CHM 495 and two of the following: CHM 415, 417, 419, 465, 466, 485, 491* and 499*; and MAT 161-162, 261, and 361; PHY 201-202, BIO 110.

A "C" or better is required on each chemistry course counted toward the major, and an overall average of "C" (2.00) in all chemistry courses.

Students working for the B.S. degree should arrange their work so as to take CHM 321and 420 in the junior year. Two years of German are recommended.

(*If 491 or 499 is used, the student must take a total of three credit hours in 491 and may count only three of the six credit hours taken as 499 for credit toward the major.)

Requirements for the B.S. Biochemistry Option: CHM 465-466, CHM 467, and three hours from the following: BIO 327, 425, 435, 436; CHM 491, or CHM 499 (For either CHM 491 or 499, the subject must be biochemical in focus and a comprehensive written report is required.)

A "C" or better is required on each chemistry course counted toward the major and an overall average of "C" (2.00) in all chemistry courses.

Requirements for a Minor in Chemistry: CHM 101-102, CHM and CHML 211-212, or CHM and CHML 211 and 235; and six additional hours in chemistry at the 300-400 level.

A "C" or better on each chemistry course, and an overall average of "C" (2.00) in all chemistry courses.

CLASSICAL STUDIES

(Interdepartmental)

Dr. A. Deagon, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in Classical Studies. The minor provides students with a multifaceted understanding of the civilizations of ancient Greece and Rome, as well as of the Western foundations of modern intellectual traditions. Students complement core requirements with studies in the fine arts, literature, political science, history and civilization, philosophy and religion, and ancient languages.

Requirements for a Minor in Classical Studies: Core (six hours): ART 201; CLA 210 (ENG 210); P&R 201. Electives (12 hours): LAT 102, 201, 202, 491; CLA 110, 330, 491; ENG 209 (CLA 209), 345; ART 301; HST 306; P&R 141, 231, 302, 303.

A "C" (2.00) or better average is required on courses counted toward the minor in Classical Studies.

COMMUNICATION STUDIES

http://www.uncwil.edu/com

Mr. F. Trimble, *chair.* Dr. Bolduc, Dr. Brunson, Ms. Bulger, Dr. Buttino, Dr. Comeaux, Dr. Noor Al-Deen, Dr. Olsen, Dr. Pullum, Dr. Rohler, Dr. Tallant.

Students may declare a major in communication studies after completion of COM 110 and COM 200 with a grade of "C" or higher and with an overall grade point average of 2.50 or higher.

Oral Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in communication studies a student must successfully complete COM 110.

Requirements for a Major in Communication Studies for the B.A. degree: COM 110, 200, 340, 341 and 490 plus 24 additional hours of communication studies coursework. At least 12 of these 24 hours must be at the 300 or 400 level. With respect to these 24 hours, note the following restrictions on the maximum number of credit hours from these courses: COM 295 (six hours), COM 490 (nine hours), COM 491 (0 hours), COM 495 (six hours), COM 498 (0 hours).

A 2.00 average for the required and "24 additional hours" of communication studies coursework is required. Differently titled courses with the numbers 295, 495, or 490 may be repeated for additional credit.

A maximum number of credit hours may be counted toward graduation from these courses as follows: COM 490 (nine hours), COM 491 (nine hours), COM 498 (12 hours).

COMPUTER SCIENCE

http://www.uncwil.edu/csc

Dr. B. Greim, *Interim chair.* Dr. Adhar, Dr. Berman, Dr. Narayan, Dr. Nelson, Dr. Norris, Dr. H. Smith, Dr. Vetter.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. degree in computer science a student must successfully complete CSC 495 or any other approved oral intensive course (see list on page 89).

Requirements for a Major in Computer Science for the B.S. degree: A student must complete one of the following options to fulfill the degree requirements. With careful planning and advising, a student may complete a minor in an area of application.

A quality point average of 2.00 or better must be earned on the courses used to fulfill the requirements of the major; in addition, a quality point average of 2.00 or better must be earned on each CSC course used to fulfill the requirements of the major.

Option 1. This option emphasizes the study of computers as systems. Students selecting this option are prepared for careers involving systems analysis or systems integration, or for graduate studies in computer science. CSC 121, 133, 221, 241, 242, 332, 360, 434; MAT 161, 162; STT 215; completion of Requirement A and Requirement B, listed below.

Requirement A: At least 18 additional hours of CSC courses numbered 300 or above, at least six hours of which must be numbered 400 or above, and including at least three hours from each of the following groups:

1. CSC 344, 350, 365, 442
2. CSC 337, 342
3. CSC 410, 450, 453, 455
4. CSC 305, 325, 422, 460

Requirement B:
1. the sequence PHY 201, 202 and
2. two courses selected from BIO 110, 205, 206; CHM and CHML 101, 102; GLY 101, 102; PHY 211, 212, 225; PSY 355

Option 2. This option is designed for students who intend to use the computer as a tool for industrial or business and information systems applications. CSC 121, 133, 221, 241, 242, 332, 360, 434, 455; MAT 161, 162; STT 215; six additional hours at the 300 or 400 level in computer science, mathematics, or statistics approved by the advisor; ACG 201, 203; ECN 221, 222; FIN 335; MGT 350; MKT 340; PDS 314.

Note: Students interested in the degree program in computer science are encouraged to begin their mathematics study with Calculus I (MAT 161). Initial placement in mathematics is based on high school background and the Mathematics Placement Test. Students not prepared for calculus in their first semester should begin with MAT 115 or 111-112, as appropriate.

Requirements for a Minor in Computer Science: CSC 121, 133, 221, 332, and six additional CSC hours at the 200 level or above, including at least three at the 300-400 level.

An overall quality point average of 2.00 or better is required for all courses counted toward the minor.

CREATIVE WRITING

http://www.uncwil.edu/writing.html

Dr. P. Furia, *acting chair.* Ms. Adams, Ms. Brenner, Mr. Colbert, Ms. Easton, Dr. Edgerton, Mr. Gerard, Ms. Lee, Dr. White, Mr. Wilkes.

The Creative Writing Department offers an intensive apprenticeship in writing, informed by the close study of literature, to serious, aspiring writers, among a community of professional working writers in the genres of fiction, poetry, and creative nonfiction.

Professional and Creative Writing Option for the B.A. Degree with a Major in English: This option is intended for students who desire to focus their studies in professional and/or creative writing. Students must complete the core requirements for a major in English, plus an additional 24 hours in creative writing and English courses, consisting of 12 hours of writing courses (including a 496 senior seminar), six hours in literature and six elective hours in creative writing or English courses. No more than nine of these 24 hours may be at the 200 level.

CRIMINAL JUSTICE

(See Sociology and Anthropology)

EARTH SCIENCES

http://www.uncwil.edu/earsci

Dr. P. Kelley, *chair.* Dr. Abrams, Dr. Ainsley, Dr. Argenbright, Dr. Blake, Dr. Cleary, Dr. Dockal, Dr. Gaudet, Dr. Grindlay, Dr. Hall, Dr. Harris, Dr. Hines, Dr. Huntsman, Dr. Kiefer, Dr. Laws, Dr. Leonard, Dr. Smith, Dr. Spivack, Dr. Thayer.

The Department of Earth Sciences offers majors in geography and geology which prepare the student for advanced studies or for teaching, research, and technical careers available to one who holds the baccalaureate degree.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in geography a student must successfully complete GGY 495.

Requirements for a Major in Geography for the B.A. degree: Core requirements: GGY 130, 140, 180, 181, 320, 495 and STT 205 or 215. In addition, students must complete 25 hours of elective courses, 14 of which must be above the 299 level as follows: (a) 13 hours in physical and applied geography courses, including at least one lab course (*), selected from: GGY 230, 270, 322*, 325, 333*, 335*, 473, 478; and (b) 12 hours in economic and cultural geography, including at least one course in regional geography (**), selected from: GGY 210, 245, 255**, 282**, 312, 317, 340, 350, 382**, 385**, 388**, 452. CSC 105 is recommended for all geography majors.

A "C" (2.00) or better average is required on all courses taken within the department and on all required courses above the 199-level in the department.

Requirements for a Minor in Geography: GGY 130, 140, 180 or 181, 320 and nine additional hours of geography courses, of which at least six hours must be at the 300-or 400-level.

A "C" (2.00) or better average is required for courses counted toward the minor. (Total hours required for minor: 23 hours)

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in geology a student must successfully complete GLY 495.

Requirements for a Major in Geology for the B.A. degree: Core requirements: GLY 101 or 120 and GLYL 120, GLY 102, 135 or 150, 200 or 220, 201, 310, 489, 495, CHM 101 and CHML 101, MAT 111-112 or 115 or 161. In addition, students must complete 15 hours of electives selected from any 200 level or higher course in geology, 10 of which must be from courses above the 299 level. GLY 200 and 220 may not be used for elective credit.

A "C" (2.00) or better average is required on all courses taken within the department and a "C" (2.00) or better average on all required courses above the 199-level in the department.

Requirements for a Major in Geology for the B.S. degree: Core requirements: GLY 101, 200, 201, 311, 312, 337, 431, 441, 470, 495, CHM 101, CHML 101, CHM 102, CHML 102, MAT 161-162, PHY 101-102 or 201-202. In addition, students must complete seven hours of elective courses in geology selected from: GLY 335, 391, 392, 393, 394, 402, 420, 426, 440, 443, 465, 472, 480, and 489.

A "C" (2.00) or better average is required on all courses taken within the department and "C" (2.00) or better average on all required courses above the 199-level in the department.
Students planning to attend graduate school are urged to take CSC 112, and one year of a foreign language.

Requirements for a Minor in Geology: GLY 101, 102, 201, 310, CHM 101 and CHML 101, and one additional GLY course at the 300-400 level.

An overall 2.00 average is required in courses counted toward the minor.

Requirements for Teacher Licensure in Earth Sciences (Geology only): In addition to completing the requirements for a major in geology and the other requirements of the Teacher Education Program, the following courses are also required for licensure: BIO 110 and 205 or BIO 110 and 206; GLY 150; PHY 260; GGY 230.

Teacher licensure requirements are established at the state level and may be changed by the state at any time.

ENGLISH

http:// www.uncwil.edu/english

Dr. Veit, *interim chair.* Dr. Aegerter, Dr. Atwill, Dr. Berliner, Dr. Bushman, Dr. Byington, Dr. Clifford, Dr. Dodson, Dr. Ellerby, Dr. Ellis, Dr. Ervin, Dr. Gould, Dr. Huntley, Dr. Kamenish, Dr. MacLennan, Dr. Newlin, Dr. Noland, Dr. Parish, Dr. G. Richardson, Dr. S. Richardson, Dr. Rugoff, Dr. Schweninger, Dr. Seiple, Dr. Stokes, Dr. Sullivan, Dr. Walker, Dr. Waxman, Dr. Wentworth.

The English Department offers intellectual enrichment and training in analytical and communication skills through courses in literature, writing, and language.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in English a student must successfully complete ENG 495 or 496.

Requirements for a Major in English for the B.A. degree: Core requirements for the general, literature and language, and professional and creative writing options are ENG 211-212, 223-224, 306, and a course in the English language (ENG 320, 321, 322, or 323). Core requirements for the teacher licensure option are 211-212, 223-224, 306, and 320.

An overall average of 2.00 or better is required among courses taken to satisfy the requirements of the major.

General Option. This option is a flexible program, allowing students to take courses in literature, writing, and the English language. The course of study can be designed by a student and an advisor to meet personal educational goals and interests. The core requirements plus an additional 24 hours in English courses, consisting of six hours in literature, six hours in writing, one 495 or 496 senior seminar, and nine elective hours. No more than six of these 24 hours may be at the 200 level.

Literature and Language Option. This option is intended for students who desire to focus their studies in literature and/or the English language, including those who plan to attend graduate school. The core requirements plus an additional 24 hours in English courses, consisting of ENG 332 or 333, 12 hours in literature and/or language (including a 495 senior seminar), three hours in writing, and six elective hours in English or creative writing courses. No more than six of these 24 hours may be at the 200 level.

Professional and Creative Writing Option. This option is intended for students who desire to focus their studies in professional and/or creative writing. Students must complete the core requirements for a major in English, plus an additional 24 hours in English and creative writing courses, consisting of 12 hours of writing courses (including a 496 senior seminar), six hours in literature, and six elective hours in English or creative writing courses. No more than nine of these 24 hours may be at the 200 level.

Teacher Licensure Option. This option leads to teacher licensure in English. Teacher Education Program requirements, the core requirements (which must include ENG 320), plus an additional 24 hours in English courses, consisting of 206, 225 or 226, 304, 321, 380 or 381, 382 or 383, a 495 or 496 senior seminar, and three elective hours at the 300-or 400-level.

For information on admissions criteria for the Teacher Education Program and the courses required for licensure (i.e, certification) in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for a Minor in English: A 21-hour program: Six hours of English courses from among ENG 211, 212, 223, 224, 225, 226; a three-hour writing or language course; 12 additional hours in English, with at least nine hours at the 300-400 level and no more than three hours in courses in film studies.

An overall average of 2.00 or better is required among courses taken to satisfy the requirements of the minor.

Courses in Other Departments: Up to six hours from the following courses can be counted as literature courses in the English major or minor: FRH 209, 321, 322, 336, 437, 438; SPN 209, 210, 321, 421, 422, GER 209, 321, 322; CLA 209, 210. CRW courses can be counted as writing courses.

ENVIRONMENTAL STUDIES

(Interdepartmental)
http://www.uncwil.edu/evs

Dr. J. Hall, *director and coordinator of B.S. Program.*
Dr. R. Buerger, *coordinator of B.A. Program.*
Dr. R. Cutting, *coordinator of internships and field experiences*

The environmental studies curriculum is designed to give students the depth of intellectual and analytical skills along with the scholarly background necessary to understand and solve environmental problems. The process is interdisciplinary, drawing upon the resources of many related fields to provide the rigorous analysis necessary to understand environmental problems and formulate decisions that are environmentally sound.

The EVS program offers both bachelor of arts and bachelor of science degree options. The bachelor of arts degree allows students a variety of specialization options in both social and natural sciences. The bachelor of science degree is intended to give intense training in either the biological or physical sciences.

To be considered for admission to the Program in Environmental Studies, a student must complete 30 hours of classwork with a minimum GPA of 2.50. In the 30 hours of classwork, a student must take at least two of the general core requirements for all environmental majors listed below. **Applications for admission to the Environmental Studies Program are available at the Environmental Studies Office.**

Due to the continual addition of new courses, the director of environmental studies may consider the substitution of certain courses for those officially listed under the B.A. or B.S. options.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in environmental studies a student must successfully complete EVS 495.

General core requirements for all Environmental Studies Majors (21 hours): BIO 110, CHM 101, EVS 195, GGY 130 or EVS 120 and EVSL 120, MAT 111 or higher, STT 215.

Requirements for a Major in Environmental Studies for the B.A. degree: The Bachelor of Arts degree in environmental studies emphasizes a combination of social science, humanities and natural sciences. The B.A. in environmental studies prepares students for entry-level positions in many diverse fields, including urban and regional planning, environmental impact analysis, natural resource management, environmental education, conservation administration, energy policy, public interest lobbying, social science law, government and business.

(54 hours total= General Core+B.A. requirements)

Core curriculum: BIO 234, EVS 360, 495

Elective Curriculum: Must take 24 hours of the following from at least three different areas; 15 hours must be above the 299 level: ANT 309; BIO 237, 364, 466, 478, 482, 487, 488; CHM 377, CHML 377; COM 223; ECN 325; EVS 362, 416, 485, 490, 491 and/or 498 (up to six hours total for any combination of 491 and 498), 499; GGY 140, 270, 340, 452, 473; GLY 220, 458; HST 332, 456; P&R 215; PLS 209, 304, 308, 329; PSY 370, 457; REC 280, 361, 366, 470; SOC 305, 315; STT 305.

Requirements for a Major in Environmental Studies for the B.S. degree: A student may elect to follow one of two distinct areas in environmental science: physical or biological science. Each area emphasizes broad and comprehensive training in the fundamentals of mathematics, physics, chemistry, biology and earth science directly related to environmental questions. This training is for those who wish to acquire more than a general understanding of the impact of science and technology on society and who wish to contribute to the solution of environmental problems.

Core curriculum for Biological Science area: 27 or 31 hours in addition to general core; seven hours must be at the 300 level or higher: BIO 205, 206 366; CHM 102, CHM 377, CHML 377; PHY 105 or PHY 101 and 102; EVS 495.

Elective curriculum for Biological Science area: 15 hours, of which 11 hours must be at the 300 level or higher: BIO 238, 356, 358, 364, 460, 466, 475, 478, 480, 482, 487, 488; CHM 211, CHML 211, CHM 212, CHML 212, CHM 235, CHML 235, CHM 475, CHM 478; EVS 485, 490, 491 and/or 498 (up to six hours total for any combination of 491 and 498), 499, PHY 475.

Other recommended courses for Biological Science area: ANT 309; ECN 325; EVS 360, 362; GGY 322, 333, 335; GLY 220; HST 332 or 456; PHY 101-102 or 201-202; PLS 209, 304, 329; PSY 370; P&R 215; STT 305.

Core curriculum for Physical Science area: 26 hours in addition to general core: CHM 102; EVS 495; GLY 220; MAT 161 and 162; PHY 101 and 102 or PHY 201 and 202.

Elective curriculum for Physical Science area: 18 hours, of which 15 hours must be at the 300 level or higher, from at least two areas: BIO 488; CHM 211, CHML 211, CHM 212, CHML 212, CHM 235, CHML 235, CHM 255, 321, CHML 321, CHM 377, CHML 377, CHM 475, CHM 478; EVS 485, 490, 491 and/or 498 (up to six hours total for any combination of 491 and 498), 499; GGY 322, 333, 335; GLY 420, 426, 431, 441, 458, 465, 472; PHY 201-202, 311-312, 475; STT 305.

Other recommended courses for Physical Science area: ANT 309; BIO 364, 366, 478; ECN 325; EVS 360, 362; HST 332 or 456; PLS 209, 304, 329; PSY 370; P&R 215.

Requirements for a Minor in Environmental Studies: A minor in environmental studies requires a total of 24 credit hours with a minimum overall quality point average of 2.00 in courses counted toward the minor.

Courses counted toward a student's major will not be counted toward completion of core or elective minor requirements in environmental studies.

Students selecting the environmental studies minor are strongly encouraged to meet with an environmental studies coordinator to determine a specific course of study.

Core Requirements (12 hours): EVS 195 (3 hours); and nine additional hours from BIO 110, 205, 206, 234, 366; CHM 101, 102, 377; CHML 101, 102, 377; GGY 130; GLY 120, 220; GLYL 120, 220; PHY 101, 102, 105; REC 360; STT 215.

Elective Requirements (12 hours): Students may select any of the elective courses listed in Bachelor of Arts (B.A.) or Bachelor of Science (B.S. biological or physical science emphasis) in environmental studies. A minimum of three disciplines must be chosen as electives. A minimum of nine hours must be at the 300-400 level.

EUROPEAN STUDIES

(Interdepartmental)

Dr. T. Mount, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in European studies which focuses on Europe since 1650. The minor provides a broad foundation for understanding modern Europe through the study of geography, history, language, and literature. Students complement core requirements with studies in the fine arts, literature, history and civilization, and political science.

Requirements for a Minor in European Studies: Core: (15 hours): GGY 385; ENG 370 or 371; HST 102; HST 394, 396, or 398; and a course in FRH, GER, PRT, or SPN (chosen from offerings numbered 201 or higher, excluding those taught in English and those designated Spanish American or Latin American). Electives (nine hours): Nine additional credits selected from designated offerings in ART, ENG, FRH, GER, HST, MUS, PLS, P&R, SPN, THR, and approved Study Abroad courses taken in Europe.

A "C" (2.00) or better average is required for all courses counted toward the minor in European studies.

Courses being counted toward a major cannot be counted toward completion of minor requirements. Students should contact the coordinator in the Department of Foreign Languages and Literatures for a list of designated elective courses.

FILM STUDIES

(Interdepartmental)
http://www.uncwil.edu/film

Ms. E. Walters, *coordinator*

The College of Arts and Sciences offers an interdisciplinary minor in film studies, which focuses on the art, history, and production of film.

Unless there is an official student internship exchange agreement with another college film program in the film studies office, film studies internships at UNCW are limited solely to UNCW degree-seeking students.

Requirements for a Minor in Film Studies: ENG 270/THR 270; a course in the history of film (THR 225, ENG 376, ENG 377, or another appropriate course in film history approved by the film studies coordinator); a course or internship in film production (ENG 318, COM/ENG/THR 498, or some other course or study approved by the film studies coordinator); and nine additional hours from the following: COM 265, 365, 465, ENG 318, 376, 377, PLS 208, THR 225, or other courses approved by the film studies coordinator.

The minor requires a total of 18 credit hours with a minimum overall quality point average of 2.00 in courses counted toward the minor. At least nine of these hours must be at the 300-400 level.

Courses taken to fulfill major requirements cannot be used to fulfill requirements for the minor in film studies.

FOREIGN LANGUAGES AND LITERATURES

http://www.uncwil.edu/fll

Dr. P. J. Lapaire, *chair.* Dr. Burt, Dr. Cami-Vela, Dr. Campbell, Ms. Craig, Dr. Deagon, Mrs. Ille, Ms. Johansson, Ms. Kano, Dr. McNab, Dr. J. Mount, Dr. T. Mount, Dr. Murray, Dr. Parra, Ms. Rider, Dr. Spicher, Dr. Thomas, Ms. Toplin, Dr. Woodhouse.

The Department of Foreign Languages and Literatures offers courses in classics, French, German, Italian, Japanese, Latin, and Portuguese; B.A. degrees in French and Spanish, and B.A. degrees with teacher licensure in French and Spanish. Also available are minor programs in French, German, Spanish, and, in conjunction with other departments, classical studies, European studies, and Latin American studies.

A student who offers high school units in French, German, Latin, or Spanish and wishes to continue the study of the same language must take the foreign language placement test. Courses numbered 209 through 212 are taught in English and do not have the placement test as a prerequisite. Placement in Portuguese is done through consultation with the Department of Foreign Languages and Literatures. A student with no significant experience in a language does not need to take the placement test.

Supplementary foreign language credit: Students who complete, with a grade of "C" (2.00) or better, a French, German, Latin or Spanish course numbered 201 or higher (excluding 209, 210, 211, and 212) and who have received no AP credit, no transfer credit, and no prior credit at UNCW in that language shall be granted supplemental credit as follows:

- For completion of a 200-level course the student will receive three credit hours for the prior course in the sequence.
- For completion of a 300-level course the student will receive six credit hours for 201 and 202.

This credit may be used to fulfill basic studies requirements.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in French a student must successfully complete FRH 301.

Requirements for a Major in French for the B.A. degree: Thirty credit hours above the 200 level of which at least six hours must be at the 400 level. Only three of the hours at the 400 level may be obtained by means of a FRH 491 or 498.

A "C" (2.00) or better grade is required in each course counted for the major. Also required is a passing score on the departmental French oral proficiency exam. Recommended: HST 101 and 102.

Requirements for a Major in French for the B.A. degree with Teacher Licensure: Students seeking certification in French (K-12) must complete FRH 301, 302-303, 306, 308, 311, 321, 322 and at least six credit hours at the 400 level, only three of which may be obtained by means of a FRH 491 or 498.

A "C" (2.00) or better average is required for all courses counted toward the major. Recommended: HST 101 and 102. Students must also satisfy the professional education requirements listed under the Watson School of Education.

For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors. Teacher Licensure requirements are established at the state level and may be changed by the state at any time.

Requirements for a Minor in French: Completion of a minimum of 18 semester hours at the 200 level and above, excluding FRH 209. Of these, at least six hours must be at the 300 level or higher.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in Spanish a student must successfully complete SPN 305.

Requirements for a Major in Spanish for a B.A. degree: Eight of the following courses: SPN 304, 305, 306, 307, 308, 309, 311, 312, 321, 322; and at least six credit hours from the following courses: SPN 401, 405, 411, 412, 421, 422, 491, 495. No more than three hours of SPN 491 credit may count toward major requirements.

A "C" (2.00) or better average is required for all courses counted toward the major. Recommended: HST 101 and 102.

Requirements for a Major in Spanish for the B.A. degree with Teacher Licensure: Students seeking certification in Spanish (K-12) must complete the requirements for the Spanish major (specifically required are SPN 305, 306, 307, 308, 311, 312, 321, 322 and at least six hours at the 400 level, only three of which may be obtained by means of a SPN 491 or 498) and the professional education requirements listed under the Watson School of Education.

For information on the Teacher Education Program admissions criteria and the courses required for licensure in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Requirements for a Minor in Spanish: Completion of a minimum of 18 hours at the 200 level and above, excluding SPN 209, 210, 211, and 212. Of these, at least six hours must be at the 300 level or higher.

Requirements for a Minor in German: Completion of a minimum of 18 semester hours at the 200 level and above, excluding GER 209. Of these, at least six hours must be at the 300 level or higher. HST 323 may be counted toward the minor, but is not required.

The Department of Foreign Languages and Literatures offers introductory course sequences (101, 102) in Italian and Japanese every semester, and Portuguese as needed. The Department of Foreign Languages and Literatures offers courses in Latin (introductory and intermediate sequence) and classical courses in translation.

FRENCH

(See Foreign Languages and Literatures)

GEOGRAPHY

(See Earth Sciences)

GEOLOGY

(See Earth Sciences)

GERMAN

(See Foreign Languages and Literatures)

GERONTOLOGY

(Interdepartmental)

Dr. Covan, *coordinator.*

The College of Arts and Sciences offers an interdisciplinary minor in gerontology which focuses on the study of the aged and the aging process. The minor draws faculty from the Departments of Sociology and Anthropology, Psychology, HPER, and the Humanities. The minor is designed for students with a general interest in aging or who may be considering a career which involves working with the elderly. Coursework encourages students to obtain field experience in local agencies concerned with older adults.

Requirements for a Minor in Gerontology: Core: GRN 101, SOC 336, PSY 324, and HEA 325. Electives: nine additional credits of designated gerontology courses are required to complete the minor. A "C" (2.00) or better average is required in all courses counted toward the minor. Students should contact the coordinator in the Department of Sociology and Anthropology for a list of current designated courses.

HEALTH, PHYSICAL EDUCATION AND RECREATION

http://www.uncwil.edu/hper

Dr. C. Lewis, *interim chair.*

The Department of Health, Physical Education and Recreation is comprised of health, physical education and parks and recreation management. The baccalaureate degree is offered in physical education and parks and recreation management.

HEALTH

Dr. Perko, Dr. Ragon.

PHYSICAL EDUCATION

Mr. D. Allen, Dr. Bennett, Dr. Bourque, Mr. Brownell, Mr. Chapman, Dr. Combs, Ms. Dorshaw, Dr. Dowd, Mr. Ellington, Mr. Farfour, Ms. Foster, Dr. Griffin, Mr. Honeycutt, Mr. Lemley, Ms. McDaniel, Dr. Miller, Mr. Scalf, Ms. St. Ledger, Ms. Todd.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in physical education a student must successfully complete PED 235.

Requirements for a Major in Physical Education and Health (K-12) for the B.A. degree: PED 200, 201, 202, 216, 217, 235, 340, 349, 350, 355, 386, 387, 415; HEA 305; EDN 200, 203, 303, 356, 409; PSY 223. A "C-" or better grade in all required health and physical education courses. Students are licensed in physical education. Students may qualify for add-on licensure in health by completing the following additional courses: HEA 105, 201, 205, 207, 234, 304, and 305. Students must satisfy the aquatics competency test or complete one of the following courses: PED 104, 105, 106, 107, 108, or 109. Students are also required to take 24 hours in an academic concentration. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

An overall "C" (2.00) average is required in all courses in health and physical education.

Requirements for a Major in Physical Education General for the B.A. degree: Choose two courses from PED 200, 201, or 202. Complete PED 216, 217, 235, 266, 340, 347, 349, 350, 355, 359, 379, 435, 440, 460; HEA 207; and additional 5-6 hours in health at the 200 level or above. A "C-" or better grade in all required health and physical education courses. Students must satisfy the aquatics competency test or complete one of the following courses: PED 104, 105, 106, 107, 108, or 109 and must provide written documentation of a current first aid certificate and CPR certificate by the student's next to last semester in the program. Admission to this major requires an overall GPA of 2.50 and is required for enrollment in 300 and 400 level PED courses.

Requirements for a Major in Athletic Training for the B.A. degree: HEA 201, 207; PSY 105; PED 216, 217, 245, 301, 340, 348, 349, 350, 355, 401, 441, 442, 448, 460, and 481; a minimum "C" (2.00) in each course taken within the department; and acceptance into the Athletic Training Program. Finally, the National Athletic Trainers' Association requires a minimum of 1,500 hours experience in an athletic training setting to be qualified to take the certification exam. UNCW requires that two-thirds of these hours be completed prior to graduation. For specific requirements for entry into program, contact the department.

PARKS AND RECREATION MANAGEMENT

Dr. Buerger, Dr. Hill, Dr. Johnson, Dr. Koh, Dr. Lewis, Ms. Parker.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in parks and recreation management a student must successfully complete REC 270.

Requirements for a Major in Parks and Recreation Management for the B.A degree: Core Courses: REC 265, 266 (PED 266), 270, 348, 359 (PED 359), 360, 368, 375, 498.

For all required recreation and physical education courses students must achieve a 2.00 cumulative grade point average.

Leisure Service Management Option: All students are required to complete REC 430, 440, 495. Students concentrating in Area 1 (Tourism and Commercial Recreation) are required to complete REC 351 and REC 352. Students concentrating in Area 2 (Quasi Public and Public Recreation) are required to complete PLS 101 and PLS 207.

All students are required to complete 12 additional collateral hours selected from the following courses: ACG 201, 203; BLA 261, 361; BUS 150; COM 223, 325; ECN 125, 222; MGT 350, 357; MKT 340, 347, 349; P&R 216; PLS 206, 304; PSY 110, 336.

Natural Resources Recreation Management Option: Twelve hours from REC 280, 351, 352, 361, 366, 465, 470. Choose four courses from one of the following two areas of study. Area 1 (Natural Science): BIO 236, 237, 364, 485; EVS 195; GGY 130, 230; GLY 101, 120 (EVS 120), 150. Area 2 (Cultural Interpretation): ANT 105, 205 (SOC 205), 206, 207, 210, 387; GGY 140; GLY 135; HST 378; PHY 111.

Requirements for a Minor in Parks and Recreation: REC 265, 270, 348, 375, and nine additional credits at the 300-400 level. In selecting courses to fulfill the nine elective credits, students are strongly encouraged to consult with the faculty in parks and recreation management.

An overall 2.00 grade point average is required in courses counted toward the minor.

Requirements for a Major in Therapeutic Recreation for the B.A. degree: REC 370, 468, 480; PED 216, 217; PSY 223, 347; and two of the following with no more than three credit hours in any one discipline: REC 369; PED 340, 349, 360, 415; HEA 325; SOC 215, 336, 337, 345, 433; PSY 220, 324, 346, 352, 450; EDN 260; GRN 101.

For all required recreation and physical education courses students must achieve a 2.00 cumulative grade point average.

HISTORY

http://www.uncwil.edu/hst

Dr. L. Usilton, *chair*. Dr. Berkeley, Dr. Chen, Dr. Clark, Dr. Conser, Dr. Graham, Dr. Kinzer, Dr. LaVere, Dr. Leutze, Dr. McCaffray, Dr. McCarthy, Dr. McLaurin, Dr. Pollard, Dr. Seidman, Dr. Shaffer, Dr. Spaulding, Dr. Toplin, Dr. Watson.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in history a student must successfully complete HST 290.

Requirements for a Major in History for the B.A. degree: HST 101, 102, 103, 201, 202, 290; an additional 24 hours in history at the 300-400 levels. An additional three hours at the 200 level may be counted toward fulfillment of this 24-credit requirement.

An overall "C" (2.00) average is required in all courses taken within the department.

Students are required to take a minimum of six hours of seminar work selected from 400 level courses, HST 491, 498, 499 excepted. No more than six hours of HST 491 and 495 can be counted toward the major.

Students are required to complete at least one 300-400 level course in each of the following areas: Europe, United States, and one other from Africa, Asia, Latin America, or Middle East.

History majors seeking licensure in social studies must complete a total of 21 hours collateral, including PLS 101 and at least one course in each of the following areas (advisor approval required): sociology/anthropology, economics, and geography.

For information on the Teacher Education Program admissions criteria and the courses required for licensure (i.e., certification) in North Carolina, see the Watson School of Education section of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors. Teacher licensure requirements are established at the state level and may be changed by the state at any time.

Requirements for a Minor in History: HST 101, 102, 103, 201, 202; an additional nine hours in History at the 300-400 levels, at least three hours of which must be in an area other than Europe or the United States; an overall "C" (2.00) average in courses taken in the department.

ITALIAN

(See Foreign Languages and Literatures)

JAPANESE

(See Foreign Languages and Literatures)

LATIN

(See Foreign Languages and Literatures)

LATIN AMERICAN STUDIES

(Interdepartmental)

Dr. T. Parra, Dr. P. Thomas, *coordinators*

The College of Arts and Sciences offers a minor in Latin American studies which provides a multidisciplinary focus on Latin American society. The minor draws faculty from the Departments of Foreign Languages and Literatures, History, Anthropology, and the Cameron School of Business as well as other fields of study in the humanities and social sciences. The minor is designed for students with a general interest in Latin America who may be considering a career which involves business relations with Latin America, teaching about Latin America, or work with Latin Americans who are living in the United States.

Requirements for a Minor in Latin American Studies: Core (15 hours): Spanish or Portuguese above 202 (six hours); HST 368, 369 or 485; SPN 312; ANT 304, 317, or 294. Electives (nine hours): SPN 322, 412, or 495; BIO 294; HST 368 or 369; ANT 304, 317, 302, or 294; PLS 332 or 333.

Students must have a "C" (2.00) average in all courses counted for the minor.

LEADERSHIP STUDIES

(Interdepartmental)

Dr. D. Brunson, *coordinator.*

The College of Arts and Sciences offers a multi-disciplinary minor in leadership studies which focuses on the study of leadership in different contexts. The minor encompasses courses in education, communication studies, management, philosophy and religion, political science, psychology, recreation, and sociology.

Requirements for a Minor in Leadership Studies: To earn a minor in leadership studies requires 21 hours including nine hours in core courses. Students select an additional 12 hours of elective courses from an approved list.

Students must have a "C" average (2.00) in courses counted for the minor.

The core courses are EDN 211, COM 311, and LED 411. For a list of approved elective courses, students should contact the coordinator of the leadership studies minor.

MARINE BIOLOGY

(See Biological Sciences)

MATHEMATICS AND STATISTICS

http://www.uncwil.edu/math

Dr. D. Smith, *chair.* Dr. J. Brown, Ms. Carlson, Dr. Chang, Dr. Dankel, Dr. Deck, Dr. Etheridge, Dr. Feng, Ms. Fleck, Dr. Frierson, Dr. Gurganus, Dr. Herman, Dr. Karlof, Dr. Kasala, Dr. Lammers, Dr. Lu, Dr. Lugo, Dr. McLaurin, Dr. Sadek, Dr. Saksena, Dr. Shotsberger, Dr. K. Smith, Dr. Spackman, Ms. Spike, Dr. TenHuisen, Dr. Vedantham.

MATHEMATICS

Requirements for the Major in Mathematics: The Department of Mathematics and Statistics offers both the B.A. and B.S. degrees in mathematics. The curriculum for each degree includes several options designed to meet students' various personal and career goals and which reflect career opportunities in the mathematical sciences.

The requirements for both the B.A. and B.S. degrees in mathematics consist of some common core courses and fulfillment of the requirements of one of several options.

It is strongly recommended that each student majoring in mathematics either complete a minor in a discipline that applies mathematics or elect advanced coursework involving mathematical applications in another discipline. A list of recommended courses in biology, chemistry, computer science, earth sciences, economics, physics, production and decision sciences, psychology, sociology and statistics is available in the department office. For the teacher licensure option, the licensure requirements fulfill this recommendation. A student who plans to pursue graduate study in mathematics is urged to take MAT 411-412.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in mathematics a student must successfully complete MAT 346 or any other approved oral intensive course (see list on page 89).

Requirements for a Major in Mathematics for the B.A. degree: The B.A. degree options are designed with the goals of a broad liberal education in mind. Licensed secondary school teachers with a B.A. in mathematics are in high demand, as are qualified applicants for graduate schools in mathematics. Additionally, a B.A. degree in mathematics is regarded as excellent preparation for entrance to professional schools of law, medicine or business.

Core requirements: MAT 161-162, 261, 275, 335, STT 262 and PHY 201. In addition, a student must fulfill the requirements of one of the following options:

Option 1. Mathematics: This option is designed to provide the greatest flexibility to allow a student to achieve personal educational goals or to combine a mathematics major with a minor. In addition to the core requirements, the student must complete: CSC 112 or 121; MAT 336; MAT 366 or 411; and 15 additional hours in mathematics at the 300-400 level, including either one of MAT 337, 367, 412, 415, 421, 457, or a two-course sequence approved by the chair of the Department of Mathematics and Statistics. Recommended areas related to mathematics: biology, chemistry, computer science, earth sciences, economics, physics, production and decision sciences, psychology, sociology, statistics.

Option 2. Teacher Certification in Mathematics. This option is designed to prepare students to teach mathematics at the secondary level. For details on certification requirements, see the section of this catalogue under Watson School of Education.

In addition to the core requirements, the student must complete: CSC 112 or 121; MAT 336, 345, 346; 366 or 411; STT 362; and three additional hours in mathematics at the 300-400 level.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. degree in mathematics a student must successfully complete MAT 495 or MAT 471.

Requirements for a Major in Mathematics for the B.S. degree: The B.S. degree options are designed to provide flexibility and adequate preparation for graduate school, while emphasizing mathematical reasoning, modeling, and problem solving, all within the context of preparing the student for a career in mathematics in business, industry, government, or academia. Recommended courses in areas related to mathematics provide the requisite experience and practice in mathematical applications.

Core requirements: MAT 161-162, 261, 335, either 471 or 495, and STT 262. Each student must fulfill the requirements of one of the following options:

Option 1. Mathematics. This option provides a broad, traditional perspective of mathematics and its scientific application in addition to depth of study in several areas of mathematics. In addition to the core requirements, the student must complete: CSC 112 or 121; MAT 275, 336, 361; either 366-367 or 411-412; either 321 or 375; one of 345, 425, 451, 457 or STT 362; PHY 201-202; and six additional hours of electives in the Department of Mathematics and Statistics at the 300-400 level. Recommended areas related to mathematics: biology, chemistry, computer science, earth sciences, economics, physics, production and decision sciences.

Option 2. Applied Mathematics. This option emphasizes analytical methods and the use of differential equations in mathematical modeling. Career opportunities in business, industry, government and academia involve applications primarily in the natural sciences and engineering. In addition to the core requirements, the student must complete: CSC 121; MAT 336, 361, 366-367; PHY 201-202; and 15 additional hours of mathematics or statistics at the 300-400 level including nine hours selected from: MAT 415, 418, 419, 425, 457, 463, 465, 475. Recommended areas related to mathematics: biology, chemistry, computer science, earth sciences, economics, physics.

Option 3. Operations Research. This option emphasizes the use of combinatorial, algebraic and probabilistic methods in mathematical modeling and provides a scientific approach to optimal decision making. Career opportunities in business, industry and government usually involve optimizing a specific management objective such as profit or the scheduling of people or equipment often subject to constraints of scarce resources such as capital or facilities. In addition to the core requirements, the student must complete: CSC 112 or 121; MAT 275, 336, 375, 435; 366 or 411; either 436 or 465; STT 362; one of PHY 201, ECN 321, PDS 314; and nine additional hours of electives in the Department of Mathematics and Statistics at the 300-400 level. Recommended areas related to mathematics: computer science, economics, production and decision sciences.

Option 4. Statistics. This option emphasizes the foundation, practice and application of statistics. Career opportunities in business, industry, government and academia involve statistical analysis and quality control. In addition to the core requirements, the student must complete: CSC 121; MAT 336; 366 or 411; STT 362, 440, 466-467; six additional hours of mathematics electives at the 300-400 level; and nine additional hours of statistics electives at the 300-400 level. Recommended areas related to statistics: biology, computer science, earth sciences, economics, psychology, sociology and anthropology, production and decision sciences.

An overall average of 2.00 or better is required for all 300-400 level mathematics or statistics courses counted toward the major.

Note: Students interested in a degree program in mathematics are encouraged to begin their mathematics study with Calculus I (MAT 161). Initial placement in mathematics is based on high school background and the Mathematics Placement Test. Students not prepared for calculus in their first semester should begin with MAT 115 or 111-112, as appropriate.

Requirements for a Minor in Mathematics: MAT 161-162 and at least 12 hours selected from mathematics courses numbered 261 or higher, or STT 262 or STT 362. These hours must include one of the following: MAT 261, 275 or 335. At least six hours, must be from coursework at the 300 or 400 level.

An overall quality point average of 2.00 or better is required for all courses counted toward the minor.

STATISTICS

Requirements for a Minor in Statistics: MAT 151-152 or 161-162; STT 262 and 362, and at least nine additional hours in statistics at the 300-400 level.

An overall quality point average of 2.00 or better is required for all courses counted toward the minor.

For the requirements for a bachelor of science degree with an option in statistics, see the requirements for the major in mathematics, B.S. Option 4.

MIDDLE EAST STUDIES

(Interdepartmental)
http://www.uncwil.edu/mes

Dr. H. Berg, Dr. L. Pollard, *coordinators.*

The College of Arts and Science offers a minor in Middle East studies which provides a multidisciplinary focus on the Middle East. The minor provides a broad foundation for understanding the modern Middle East through a study of geography, history, politics, and religion.

Requirements for a Minor in Middle East Studies: A minor in Middle East studies requires a total of 21 credit hours. Students must select at least nine credit hours from the designated courses and the additional credit hours from the designated electives. Up to six credit hours of Directed Individual Study and other appropriate special topics courses or seminars as offered, with the approval of the Middle East studies coordinators, may be included as electives. In addition, students must select courses from at least three different disciplines. Core courses: GGY 255; HST 101, 103; P&R 230, 246, and PLS 220. Electives: HST 305, 381, 382, 383, 384, 385, 483; P&R 225, 235, 245, 255; PLS 331, 338.

Students must have a least a C+ (2.33) average in courses counted for the minor.

MUSIC

http://www.uncwil.edu/music

Dr. F. Bongiorno, *chair.* Dr. Errante, Dr. Hickman, Ms. King, Dr. Martin, Mr. McLamb, Mr. Nathanson, Dr. Rack, Ms. Robison, Dr. Salwen.

The Department of Music offers three curricula for undergraduates who major in music. The Bachelor of Arts in music provides a broad education in the liberal arts as well as more specialized training in music theory, history and literature, and performance. The Bachelor of Music in music performance puts emphasis on training in music performance, enhanced by studies in music theory, music history and literature, and pedagogy, balanced by as rich an experience in the liberal arts as the program will allow. The Bachelor of Music in music education degree emphasizes music pedagogy and qualifies the student for the North Carolina Class A teaching license while also providing the requisite background in music theory, history and literature, and performance.

Prospective undergraduate music majors must apply to and be admitted by both the university and the Department of Music. A Music Admission Audition form must be submitted to the Department of Music. The application deadline is April 15. Admission to the Department of Music is determined by an acceptable level of performance as demonstrated through a personal audition in the applicant's principal applied performance area. A satisfactory audition is required of all entering freshmen. Tape recorded auditions are acceptable if distance or scheduling conflicts do not permit a personal audition on one of the regularly scheduled audition dates. Contact the De-

partment of Music for audition application forms, dates, guidelines and additional information: Department of Music, (910) 962-3390, fax (910) 962-7106, or by mail at the university address. Admission to the performance and to the music education options also requires consent of the music faculty, as represented by the program coordinator.

An overall "C" (2.00) average is required in all courses used to fill music degree requirements.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. in music and B.M. in music education a student must successfully complete MUS 495 or any other approved oral intensive course (see list on page 89).

Core requirements common to all music curricula: MUS 101, MUSL 101, MUS 102, MUSL 102, MUS 201, MUSL 201, MUS 300, MUSL 300, MUS 351, MUS 352. All music majors must pass the appropriate piano proficiency examination and the listening repertory examinations. Proficiency examination and listening repertory examination requirements are stated in the latest edition of the *Department of Music Student Handbook*. All students are expected to make regular progress toward completion of those requirements.

In addition, no credit toward music major requirements will be granted for MUS 105 and/or MUS 115.

Bachelor of Arts in Music: In addition to the core requirements, the general music student will be required to complete 10 hours of applied music; eight hours of music ensemble, of which three hours must be at the 300 level (keyboard and guitar students may substitute up to two hours from MUS 130, 182, 330, 382); six hours to be chosen from the following: MUS 203, 285, 286, 301, 303, 306, 361, 362, 363; MUS 496; and four hours of music electives. The balance of the academic credits (33) which may apply for graduation should be outside of music.

Bachelor of Music in Music Performance: The Performance curriculum requires, among the curricula, the highest standards in performance and offers the most credits for applied music. Admission to the performance curriculum is reserved for students who demonstrate to the faculty outstanding potential for a career in music performance, and, accordingly, is restricted to those selected by the faculty for the performance option.

In addition to the core requirements listed above, the following courses are required of all performance major students: Music Theory (five hours): MUS 301 and the choice of MUS 302, 303, 306 or 307; music history (six hours): MUS 361, 362, 363; 22 hours of applied music in the principal area (at least 12 hours at the 300 level); MUS 393 (one hour) and 493 (one hour). Also, each student in the performance option is required to be in at least one music ensemble during each semester (up to eight semesters) that he/she is in residence. A minimum of eight hours of music ensemble is required, at least four of which must be at the 300 level (keyboard and guitar students may substitute up to two hours from MUS 130, 182, 330, 382).

Each music performance major student also must choose one emphasis from among those listed below and fulfill the requirements specific to that emphasis:

1. Vocal Performance: MUS 285, 286, 272, 273, 379, and nine hours of free electives, at least six of which must be non-music courses. Vocal performance majors are required to demonstrate proficiency in French, German, or Italian language at the level of our language department course 102.
2. Keyboard Performance: Four hours of secondary applied music (not to include class piano); MUS 275 or 276, 285; MUS 375 or 376; and 12 hours of free electives of which at least six must be non-music courses. Those interested in a career in keyboard pedagogy are advised to take both 275 and 276 and both 375 and 376. These students may also elect MUS 475 (Practicum in Applied Teaching).
3. Instrumental Performance: MUS 285, 286, 371, and 13 hours of free electives, at least six of which must be non-music courses.
4. Jazz Performance: MUS 235, 236, 285, 308, 365, 372. In addition, students will be required to enroll in at least three semesters of a major ensemble other than MUS 184, or 384. Must complete seven hours of music electives not used elsewhere in this program.

Bachelor of Music in Music Education: In addition to the core requirements listed above, the music education major must complete 14 hours (seven semesters) of applied music in the major applied instrument, with not less than six hours (three semesters) at the 300 level (keyboard and guitar students may substitute up to two hours from MUS 130, 182, 330, 382). Each student in the Music Education program is required to be in at least one music ensemble during each semester that he/she is in residence. Vocal music education majors are required to pass a guitar proficiency examination or MUS 143 (Class Guitar) and instrumental music education majors are required to pass a voice proficiency examination or MUS 146 (Class Voice). All proficiency examinations and admission to upper-divisional applied music study are prerequisite to formal admission into the teacher education program in music. Other requirements for admission to the Teacher Education Program may be seen in the catalogue under the Watson School of Education.

Other required courses for the Music Education program are:

Music Methods
MUS 243 String Class 1
MUS 245 Woodwind Class 1
MUS 247 Brass Class 1
MUS 249 Percussion Class 1
MUS 225 Intro to Music Education 1
MUS 326 Classroom Music Methods 3
MUS 331 Measurement and Evaluation in Music Education 2
MUS 373 or 377 Instrumental or Choral Methods 3

Other Music Courses
MUS 285, 286 Conducting 2, 2
MUS 301 Form Analysis 3
MUS 306 Orchestration and Arranging 2
MUS 393 Junior Recital 1

Watson School of Education Requirements
Pre-professional Studies
PSY 223 Life Span Human Dev. 3
EDN 200 Teacher, School and Society 3
EDNL 200 Field Studies 1
EDN 203 Psychological Foundation of Teaching 3

Professional Studies
EDN 340 or 356 Reading Foundations K-6
or
Reading in the Secondary School 3

The Professional Semester
EDN 409* Practicum 12

* Music Education majors are not required to take Education 408 during the professional semester.

Requirements for a Minor in Music: MUS 101, 102, MUSL 101, 102, MUS 351, 352; three semester hours of ensemble (MUS 131, 183, 184, 185, 186, 187); six semester hours of applied music in the major performance medium (MUS 195, 196, 197); three semester hours of music electives.

An overall GPA of 2.00 or better is required in courses counted toward the minor.

Admission to the program requires approval by the Department of Music and an audition in the major performance medium.

Requirements for a Minor in Jazz Studies: MUS 101, 102, MUSL 101, 102, MUS 116, 235; three semester hours of ensemble (MUS 184); six semester hours of applied music in the major performance medium (MUS 195, 196, 197); four semester hours of electives to be chosen from MUS 236, 308, 365, 372, 384, 395, 396, 397. Courses counted toward a major in music (i.e., MUS 101, 102, MUSL 101, 102) cannot be counted toward completion of minor requirements. Six additional hours of electives may be chosen to fulfill minor requirements for music majors.

An overall GPA of 2.00 or better is required in courses counted toward the minor.

Admission to the program requires approval by the Department of Music and an audition in the major performance medium.

NATIVE AMERICAN STUDIES
(Interdepartmental)

Dr. L. Schweninger, *coordinator.*

The College of Arts and Science offers an interdisciplinary minor in Native American studies (NAS) which focuses on the history, cultures, religions, arts, and literatures of American Indians.

Requirements for a Minor in Native American Studies: Core: ANT 215, HST 349, and ENG 356. Electives: nine additional credits from ANT 304, ANT 305, ANT 307; HST 350, P&R 350, or any appropriate special topics course or seminar as offered, with the approval of the NAS minor coordinator. The minor requires a total of 18 hours.

Students must earn at least a "C" (2.00) average in courses counted for a minor in Native American studies.

Courses taken to fulfill major requirements cannot be used to fulfill requirements for the minor in Native American studies.

PHILOSOPHY AND RELIGION
http://www.uncwil.edu/p&r

Dr. J. Wilson, *chair.* Dr. Altrichter, Dr. Berg, Dr. Conser, Dr. Gauthier, Dr. Habibi, Dr. McGowan, Dr. Megivern, Dr. Murrell, Dr. Schmid, Dr. Thysell, Dr. Turrisi, Dr. Zervos.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in philosophy and religion a student must successfully complete P&R 400.

Requirements for a Major in Philosophy and Religion for the B.A. degree:

B.A. degree with an emphasis in philosophy: P&R 101, 103, 110, 115, 201, 202, 400, and 15 additional hours including at least nine at the 300-400 level.

An overall grade point average of 2.00 or better is required in courses counted towards the major.

B.A. degree with an emphasis in religion: P&R 101, 103, 110, 125, 230, 232, 400; two courses from 235, 236, 238, 240, 245, 246, 247, or 248; nine additional hours at the 300-400 level.

An overall grade point average of 2.00 or better is required in courses counted towards the major.

Requirements for a Minor in Philosophy: P&R 101, 110, 115, and 201 or 202; an additional nine hours in philosophy courses at the 300-400 level.

An overall grade point average of 2.00 or better is required in courses counted toward the minor.

Requirements for a Minor in Religion: P&R 103, 125, 230, 232; an additional nine hours in religion courses at the 300-400 level.

An overall grade point average of 2.00 or better is required in courses counted toward the minor.

PHYSICAL EDUCATION
(See Health, Physical Education, and Recreation)

PHYSICS AND PHYSICAL OCEANOGRAPHY

http://uncwil.edu/phy

Dr. R. Kiefer, *interim chair.* Dr. Alexanian, Dr. Bingham, Dr. Clator, Dr. Davis, Dr. Moss, Dr. Olszewski.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. or B.A. degree in physics a student must successfully complete PHY 495 or any other approved oral intensive course (see list on page 89).

Requirements for a Major in Physics for the B.A. degree: PHY 201-202, 260, 321, 335, 400, plus six hours of physics course electives at the 300-400 level; CHM 101-102; MAT 161-162 and 261.

Physics majors working toward certification for secondary school teaching must also complete Teacher Education Program requirements. Teacher certification requirements are established at the state level and may be changed by the state at any time.

A grade of "C-" or better in each physics course and a C (2.00) average on all courses taken in Physics.

Requirements for a Major in Physics for the B.S. degree: PHY 201-202, 311, 321-322, 335, 400 (for three credit hours), 411-412, 444, 455, 495 (for one credit hour); CHM 101-102; MAT 161-162, 261, 335, and 361.

A grade of "C-" or better is required in each physics course and a C (2.00) average on all courses taken in Physics.

Requirements for Teacher Licensure in Physics: In addition to completing the requirements for a degree in physics (see above) and the other requirements of the Teacher Education Program, the following courses are also required for licensure: BIO 110; GLY 120.

Note: Students interested in the B.S. degree in physics are advised to take the PHY 201-202 sequence in the freshman year.

Requirements for a Minor in Physics: PHY 201-202, 335 and six additional hours in physics, not to include PHY 101, 102, or 105; at least three of these additional hours must be at the 300-400 level.

A grade of "C" or better is required in each physics course counted toward the minor.

POLITICAL SCIENCE

http://uncwil.edu/pls

Dr. E. Sheridan, *chair.* Dr. Ahmad, Dr. Barth, Dr. Johnston, Dr. Jones, Dr. Kleinberg, Dr. Lowery, Dr. Meinhold.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in political science a student must successfully complete PLS 401, PLS 495 or any other approved oral intensive course (see list on page 89).

Requirements for a Major in Political Science for the B.A. degree: 39 hours of political science which must include 101, 111, 201, 212, 220, 230 and 401. A total of 18 hours must be at the 300-400 level. A minimum GPA of 2.00 required in all political science courses.

Students planning to do graduate work are encouraged to study a modern foreign language and to acquire a basic knowledge of computer science, statistics and calculus.

Political science majors seeking licensure in social studies must complete a total of 21 hours collateral including HST 101, 102, 103, 201, and 202, and at least one course in each of the following areas: economics, geography, and sociology/anthropology.

For information on the Teacher Education Program admissions criteria and the courses required for licensure (eg. certification) in North Carolina, see the Watson School of Education sec-

tion of this catalogue. Students planning to pursue licensure should apply to the Watson School of Education as soon as admissions requirements are met (typically in the sophomore year) and plan their programs in regular consultation with their advisors.

Requirements for a Minor in Political Science: 24 hours in political science with at least 12 hours selected from 300-level courses or above. Courses to be distributed as follows: PLS 101, 111; at least one course in American government and politics (300, 301, 302, 303, 304, 305, 307, 308, 309, 316, 340, 405, 406, 407); at least one course in political theory and methodology (310, 312, 313, 314, 315, 411, 415); at least one course in international relations (422, 423, 425, 426, 427); at least one course in comparative government and politics (330, 331, 334, 335, 336, 338, 339).

Students must earn at least a "C" (2.00) average in courses counted for a minor in political science.

PORTUGUESE

(See Foreign Languages and Literatures)

PSYCHOLOGY

http://www.uncwil.edu/psy

Dr. L. Jackson, *chair.* Dr. Bradley, Dr. Brown, Dr. Bruce, Dr. Clements, Dr. Cohen, Dr. Dworkin, Dr. Galizio, Dr. Hakan, Dr. Jenkins, Dr. Johnson, Dr. Keith, Dr. Kishton, Dr. Kowal, Dr. Lamb, Dr. Lecci, Dr. Loren, Dr. MacKain, Dr. Noel, Dr. Overman, Dr. Pilgrim, Dr. Pitts, Dr. Puente, Dr. Sawrey, Dr. Shirley, Dr. Simmons, Dr. Williams.

Students may declare a major in psychology after completion of PSY 105 with a grade of "C" or higher, and with an overall grade point average of 2.30 or higher, and completion of BIO 105 or 206, and MAT 111, 112, 115, 151 or more advanced mathematics courses with grades of 2.00 (C) or better.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in psychology a student must successfully complete PSY 405.

Requirements for a Major in Psychology for the B.A. degree: PSY 105, 225, 355, 405, one course from each of the five categories listed below, and 12 additional hours in PSY courses at the 300-400 level. PSY 210, 245 or 265 may be substituted for three of these hours. Category 1: PSY 220, 221, 223, 320 or 324. Category 2: PSY 410, 412, or 417. Category 3: PSY 418, 456 or 457. Category 4: PSY 346, 347 or 365. Category 5: PSY 350, 352, 425, or 465.

A grade of "C" or better is required in PSY 105, and no more than one course with a grade of "D" can count toward the requirements for a major in psychology. There also must be a "C" (2.00) or better average on all courses counted towards the major. Additional requirements for the major include a course selected from BIO 105 or BIO 206 and a "C" or better in MAT 111 or more advanced mathematics course.

RECREATION

(See Health, Physical Education and Recreation)

RELIGION

(See Philosophy and Religion)

SCIENCE, THE HUMANITIES AND SOCIETY
(Interdepartmental)

Dr. W. McCarthy, *coordinator.*

The College of Arts and Science offers an interdisciplinary minor in science, the humanities and society (SHS) which focuses on an understanding of why and how scientific research is done and an appreciation of complex scientific, technological and societal problems and achievements within a philosophical and historical context.

Requirements for a Minor in Science, the Humanities and Society: Core: SHS 110, HST 275, and P&R 345. Electives: 12 additional credits of designated SHS courses are required to complete the minor. Six credits must be from a single department, the other six credits must be from two other departments. Six of the 12 credits must be at the 300 or 400 level. A "C" (2.00) average is required of all courses counted toward the minor. Students should contact the coordinator in the Department of History for a list of current designated courses.

SOCIAL WORK
http://www.uncwil.edu/swk

Dr. N. Reid, *chair.* Dr. Blundo, Ms. Denny, Dr. Nasuti, Dr. Sandell

The Department of Social Work offers a Bachelor of Social Work degree that prepares students for entry-level social work practice in many public and private social agencies. Such settings include hospitals, hospices, nursing homes, county health departments and other health care settings, family services programs, mental health centers, departments of social services, schools and other programs and services for children, as well as a variety of other agencies and programs. The BSW program is currently in candidacy status with the Council on Social Work Education.

Students desiring to apply for admission to the social work major must submit an application, obtained at the department office, prior to declaring social work as their major. Admission into the major requires a university grade point average of 2.40.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S.W. degree a student must successfully complete COM 110.

Requirements for a Major in Social Work for the B.S.W. degree: SWK 235, 240, 306, 307, 320, 321, 341, 355, 435, 442, 443, 496, 497; and one of the following: SWK 310, 311, 315, 316, or 318. Additional courses required: SOC 105, PLS 101, PSY 105, and either BIO 105, 110, 240, or 235.

Students are required to earn a grade of "C" or better in all required social work courses designated by SWK. Students must maintain an overall grade point average of 2.40 to be admitted into the field placement (SWK 496 and 497) required for the BSW degree.

SOCIOLOGY AND ANTHROPOLOGY
http://www.uncwil.edu/soc&ant

Dr. C. Willis, *chair.*

The Department of Sociology and Anthropology is comprised of anthropology, criminal justice and sociology. The B.A. degree is offered in anthropology, criminal justice, and sociology.

ANTHROPOLOGY

Dr. Albert, Dr. Lerch, Dr. Loftfield, Dr. McCall, Dr. Sabella.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in anthropology a student must successfully complete COM 110.

Requirements for a Major in Anthropology for the B.A. degree: ANT 206, 207, ANTL 207, ANT 210, 345, 450 and 21 additional hours comprised of two courses from each of the first three subfields listed below and either an elective from the linguistics group or a third course from one of the first three subfields. Physical: 320, 322, 324, 326, 430. Archaeology: 307, 311, 411, 412, 455. Cultural: 301, 302, 303, 304, 305, 306, 309, 317, 350, 387. Linguistics: ANT 208, PSY 311, ENG 320, 322. Students contemplating a professional career in anthropology are urged to study a foreign language and acquire basic skills in computer science and statistics. Anthropology advisors may recommend additional courses in the sciences, humanities, or mathematics commensurate with individual career plans.

A "C" (2.00) grade point average or better is required among all courses used to satisfy the anthropology major and a "C" grade or better is required in each required anthropology course counted toward the major.

Requirements for a Minor in Anthropology: ANT 206, 207, 210, and 12 additional hours at least six of which are at the 300-400 level. ANTL 207 may be taken as an elective but is not required. In selecting the courses to fulfill the minor requirements, students are strongly encouraged to consult with the anthropology faculty.

A "C" (2.00) grade point average is required among anthropology courses used to satisfy the above requirements.

CRIMINAL JUSTICE

Dr. Adams, Dr. Evans, Dr. Everett, Dr. LaGrange, Dr. Lynch, Dr. Marciniak, Dr. Snowden, Ms. Spears, Dr. Willis.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in criminal justice a student must successfully complete CRJ 110 or COM 110.

Requirements for a Major in Criminal Justice for the B.A. degree: CRJ 105, 210, 220, 230, and 450 (15 hours); SOC 105, 300, 301 (9 hours); any three of SOC 315, 325, 335, 340, 355, 360, 375, 380, 449; ANT 211; PSY 221, 245, 347; or SWK 311 (9 hours); and any three of CRJ 110, 294, 310, 315, 370, 380, 405, 410, 415, 420, 490 and CRJL 490, or 495 (9 or 10 hours).

An overall grade point average of 2.00 or better is required among criminal justice and sociology courses used to satisfy the major.

SOCIOLOGY

Dr. Bullers, Dr. Covan, Dr. Dixon, Dr. Faulkner, Dr. King, Dr. Levy, Dr. McDaniel, Dr. McNamee, Dr. Miller, Ms. Veit.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in sociology a student must successfully complete SOC 490.

Requirements for a Major in Sociology for the B.A. degree: SOC 105, 300, 301, 360, 490 and 24 additional hours of sociology course electives. A maximum of nine hours below the

300 level (including SOC 105) may be used to satisfy the above requirements.

An overall grade point average of 2.00 or better is required among sociology courses used to satisfy the major. In selecting sociology course electives, majors may choose to develop an applied emphasis in sociology by (1) completing SOC 310 (Applied Sociology), (2) selecting the internship option to fulfill the SOC 490 (Senior Project) requirement, and (3) choosing remaining sociology course electives from one or more of the following applied areas of concentration: Human Resources (SOC 325, 340, 350, 380, 486), Health and Aging Services (SOC 220, 336, 337, 433, 438), Public Relations and Marketing (SOC 303, 304, 305, 366, 411), Community Organization and Planning (SOC 305, 315, 416, 485), Criminology (SOC 335, 355, 375, 449), or other applied areas developed in consultation with their academic advisor.

Requirements for a Minor in Sociology: SOC 105 and 18 additional hours of sociology courses. A maximum of six hours below the 300 level (including SOC 105) may be used to satisfy the above requirements. Also, an overall grade point average of 2.00 or better is required among sociology courses used to satisfy the minor.

SPANISH

(See Foreign Languages and Literatures)

STATISTICS

(See Mathematics and Statistics)

THEATRE

(See Art and Theatre)

WOMEN'S STUDIES

(Interdepartmental)

Dr. J. Ellerby, *coordinator.*

Requirements for a Minor in Women's Studies: Students must select six-nine semester hours from the designated core courses (including the required WMS 210: Introduction to Women's Studies) and additional hours from the designated electives (see lists below) to total 18 semester hours. Students must select from at least three different disciplines when choosing electives. Up to three semester hours of Directed Individual Study, approved by the program coordinator, may be included as electives. Core courses: ANT 303, ENG 230, HST 237, P&R 225, SOC 350, WMS 210. Electives: CLA 330, ENG 373, HEA 205, HST 330, HST 383, PLS 316, PSY 265, PSY 366, SOC 345, SOC 349, SOC 418, WMS 495.

Courses taken to fulfill major requirements cannot be used to fulfill requirements for the minor. Students must have a 2.00 average in courses counted toward the minor. No more than nine hours in a single discipline may be counted toward the minor.

DEGREE REQUIREMENTS

CAMERON SCHOOL OF BUSINESS

Howard O. Rockness, *dean*
Vince Howe, *associate dean*
William W. Hall, *director*, Center for Business and Economic Services
L. Drew Rosen, *director*, MBA Program
Joanne W. Rockness, *director*, MSA Program

The Cameron School of Business is a comprehensive business school offering undergraduate degrees in business administration and economics, as well as a Master of Business Administration and a Master of Science in Accountancy. The school is committed to the highest quality business education for our students. Its primary goal is to enable students to discover how to learn and, in the process, to instill both the desire and capacity for lifelong learning and development. Its first priority is excellence in teaching.

The school works continuously to maintain a vibrant curriculum which focuses on application of concepts as well as theoretical development. It maintains a scope which includes regional, national, and international perspectives within an evolving global business community. The school strives for balance in the teaching of knowledge about business management and management perspectives, analytical and interpersonal skills, as it prepares students to make the transition to socially responsible citizenship. To that end, the school encourages intellectual curiosity; creative, rational, and ethical thinking; and thoughtful oral and written expression.

The school encourages the continuous improvement of teaching methods in order to maintain its competitive advantage and to enhance its several strengths: small classes, knowledgeable and experienced faculty, concerned and caring counseling by an approachable and accessible faculty and staff, and vigorous interactive involvement of faculty and staff as well as students in the learning process. The school encourages and supports applied and theoretical research to strengthen teaching and to contribute to the extension of knowledge in its disciplines. Through research, publication, participation in programs of professional organizations, and other scholarly activity, faculty members remain current and sustain their intellectual vigor, both in and out of the classroom.

The school seeks to contribute to the economic development of the region by providing programs and services to the local and regional business community. Through strengthening ties with the business community, the school stimulates awareness of available programs and services and ensures that such programs and services remain responsive to the needs of the region.

DEGREE PROGRAMS AND REQUIREMENTS

The B.S. in Business Administration degree is offered with options in seven areas:

Accountancy	International Business
Business Systems	Management
Economics	Marketing
Finance	

The B.A. degree with a major in economics is offered for those students who want to study economics in the liberal arts tradition.

REQUIREMENTS FOR ADMISSION

Requirements for admission to the Cameron School of Business are listed on page 98.

Each applicant must have completed a minimum of 44 semester hours with a cumulative grade point average of 2.20 or better, with the following courses completed at the time of application: ENG 101-102, or 103, MAT 111 or 115, *ACG 201, ECN 221.

Each applicant must have completed a Cameron School of Business Admission Orientation.

During the semester of application each applicant must be enrolled in or have completed: MAT 151 or 161, ECN 222, *PDS 217, *ACG 203.

*Students enrolling in the B.A. program in economics are not required to complete ACG 201 or 203 and may substitute STT 205 or 215 for PDS 217.

Students may not enroll in restricted courses nor enroll in more than 15 semester hours within the school beyond preadmission courses without being formally admitted to the school.

REQUIREMENTS FOR THE B.S. DEGREE IN BUSINESS ADMINISTRATION

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. degree in business administration a student must successfully complete MGT 455.

Students may qualify for the B.S. degree by:

1. Successful completion of requirements as stated under University Regulations on page 69 of this catalogue;
2. Attaining a minimum grade point average of 2.00 on all courses attempted in the Cameron School of Business;
3. Successful completion of the courses designated for the degree program (At least 50 percent of the business credit hours required for the degree program must be taken at UNCW.):
   a. Basic Studies (45 semester hours): Completion of a basic studies program as defined on pages 87-89 of this catalogue. Students seeking the B.S. degree must include MAT 111 and 151 (or the equivalent) and ECN 221-222 in their basic studies program under categories (E.2) and (F), respectively.
   b. Cameron School of Business Core Requirements (37 semester hours): All candidates for the B.S. degree must complete the following core requirements: ACG 201-203, and ACGL 201; PDS 217; BLA 361; ECN 324; MGT 350; MKT 340; FIN 335; PDS 313, 314, 317; MGT 455.
   c. Major Courses: Each candidate for the B.S. degree must complete one of the following groups of courses for a major:

ACCOUNTANCY (21 semester hours): ACG 301-302, 305, 306, 404, 407, plus one course from ACG 307, 402, 403, 405, 410 and BLA 461. Students planning to write the CPA examination are advised that most states require 150 semester hours of coursework to be licensed to practice as a Certified Public Accountant. Students with a four-year degree who wish to sit for the CPA Exam in North Carolina should complete the following elective courses: ACG 402, 403, 405, and BLA 461.

BUSINESS SYSTEMS (18 semester hours): PDS 318, 414, one PDS course numbered above 299, and either Track (1) Information Systems: PDS 315, 316, and 413; or Track (2) Production Systems: PDS 319, 417, 419.

ECONOMICS (18 semester hours): ECN 321-322, 328, 495, plus two courses (one of which must be numbered above 399) from ECN 323, 325, 326, 329, 421, 422, 426, 427, 428, 433.

INTERNATIONAL BUSINESS (18 semester hours): MGT 352, MKT 442; two courses from ECN 326, ECN 426 and/or FIN 439; and two courses (with advisor's approval) from the CSB International Committee's suggested list. Oral and written competence in a modern foreign language is required.

FINANCE (18 semester hours): FIN 330, 336, 436, plus one of FIN 430, 433, 437, or 439, and two courses (one of which must be numbered above 399) from FIN 331, 332, 430, 431, 433, 437, 438, 439, 495.

MANAGEMENT (18 semester hours): MGT 356, 358, 450, plus three courses from MGT 352, 353, 354, 357, 451, 453, 456, 495; BLA 461.

General Business Track: Students taking night classes because of daytime work requirements can (with the approval of the Dean's Office) select any six three-hour credit CSB undergraduate courses numbered above 299, in lieu of the management option requirements.

MARKETING (18 semester hours): MKT 341, 349, 445, plus three courses from MKT 344, 346, 347, 348, 441, 442, 447, 448, 495.

d. Elective Courses: completion of elective courses sufficient to complete a minimum of 124 semester hours of course credit. Electives are to be chosen by the student after consulting with the faculty advisor, with no more than nine semester hours of electives selected from courses in the Cameron School of Business. Accounting students are restricted to no more than six semester hours of electives selected from courses in the Cameron School of Business.

4. Students seeking the B.S. degree with an option in accountancy must also earn a minimum grade point average of 2.00 on all accounting courses attempted in the Cameron School of Business.
5. Students seeking the B.S. degree with an option in business systems must also earn a minimum grade of C-in all production and decision sciences (PDS) courses in the Cameron School of Business.

Students seeking the B.S. degree in the Cameron School of Business are encouraged to plan their schedules to include the following:

First Year:	Fall	- ENG 101 or 103, and MAT 111 or 115
	Spring	- ENG 102 or 103, and MAT 151 or 161
Second Year:	Fall	- ACG 201, ACGL 201 and ECN 221
	Spring	- ACG 203, ECN 222, and PDS 217.

REQUIREMENTS FOR THE B.A. DEGREE IN ECONOMICS

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.A. degree in economics a student must successfully complete ECN 495.

Students may qualify for the B.A. degree by:

1. Successful completion of requirements as stated under University Regulations on page 69;
2. Attaining a minimum grade point average of 2.00 on all economics courses attempted in the Cameron School of Business; and
3. Successful completion of the courses designated for the degree program (At least 50 percent of the business credit hours required for the degree program must be taken at UNCW.):
   a. Basic Studies (45 semester hours): Completion of a basic studies program as defined on pages 87-89 of this catalogue. Students seeking the B.A. degree must include MAT 111 and 151 (or the equivalent) and ECN 221-222 in their basic studies program under categories (E.2) and (F), respectively.
   b. Major Courses (27 semester hours): PDS 217, or STT 205, or STT 215; ECN 321-322, 324, 326 or 421, 328, 495, plus six additional semester hours in economics courses numbered above 299.
   c. Collaterals (21 semester hours): 21 semester hours from at least two of the following: anthropology, geography, history, political science, psychology, sociology. A minimum of six hours must be taken in at least two areas, and at least nine hours must be courses numbered above 299.
   d. Electives (31 semester hours): Elective courses selected after consultation with the student's academic advisor.

ACCOUNTANCY AND BUSINESS LAW

Dr. J. Marts, *chair.* Mr. Appleton, Dr. J. Baker, Mr. Earney, Dr. Elikai, Mr. Hanson, Mr. Jones, Dr. Kaylor, Dr. Key, Dr. H. Rockness, Dr. J. Rockness, Mr. Roscher, Ms. Sawyer, Dr. J. Smith.

The Department of Accountancy and Business Law provides courses and other academic support for the B.S. degree with an option in accountancy.

The B.S. degree with an option in accountancy provides the student with the analytical foundation of the discipline of accountancy. Included are the special tools and techniques of planning and control using financial and managerial accounting, income taxes, cost analysis, and systems.

Students establish qualifications for careers in public accounting, industrial, governmental, and other positions requiring managerial and analytical skills. The accountancy option provides an excellent background for graduate and other professional education.

The elements of planning, administration, and control covered in the accounting courses are essential to all areas of business. Many of the courses offered benefit students majoring in other fields by furnishing a comprehensive background of business procedures and financial relationships. Likewise, students in accountancy find it advantageous to concentrate their elective courses in quantitative and computer information areas as well as communication and interpersonal areas.

A graduate of the Cameron School of Business who has completed the option in accountancy is qualified by the Institute of Management Accounting to write the CMA examination. A student graduating with an undergraduate degree with an option in accountancy is permitted by the North Carolina State Board of Accountancy to sit for the Uniform CPA Examination. However, students should be aware that in most states 150 hours of coursework are required to be licensed as a CPA.

The courses in business law and legal environment provide the study of how the legal environment influences and is influenced by changing social and ethical values. Courses include study of administrative law and the Uniform Commercial Code as well as the organization and role of business enterprises in society and their relationships in government and society.

ECONOMICS AND FINANCE

Dr. L. Lawson, *chair.* Dr. Burrus, Dr. Carter, Dr. Conover, Dr. Dumas, Dr. Farrell, Dr. Graham, Dr. Hall, Dr. Hill, Dr. Howell, Dr. Robinson, Dr. Sigler, Dr. Wadman.

The Department of Economics and Finance provides courses and other academic support for the B.S. degree with options in economics and finance and the B.A. degree with a major in economics.

The economics and finance programs prepare students for careers which emphasize an understanding of the operation of the economy and the proper choice of policies by both government and business enterprises. The economics programs represent a more general area of study, preparing the student to enter government service, or industry, or to pursue a graduate program in economics, business, public administration or other social science disciplines.

The B.S. degree with an option in economics is designed to provide orientation of the individual and the firm in economic society. The student is required to supplement the study of economics with a variety of business and accounting courses.

The B.S. degree with an option in finance consists of four separate but related areas—business finance, investments, financial institutions, and personal financial planning. The finance curriculum prepares students for graduate study and for careers in corporate financial management, the investments and securities business, and the management of banking and nonbank financial institutions. The generalized applicability of finance and the basic tools of financial analysis are emphasized in the courses.

The B.A. degree with a major in economics is designed for the student who wants to study economics in the liberal arts tradition. The study of a wide variety of economics courses is supplemented by a study of history and the social sciences.

Both degree programs develop an understanding of contemporary economic problems and institutions and provide a study of economic issues both in an historical setting and under conditions of change.

MANAGEMENT AND MARKETING

Dr. R. Porterfield, *chair.* Dr. Adams, Dr. T. Baker, Dr. Engdahl, Dr. Galbraith, Dr. Harper, Dr. Howe, Dr. J. Hunt, Dr. T. Hunt, Dr. Johlke, Dr. Keating, Dr. Scribner, Dr. Stamper, Dr. Weun.

The Department of Management and Marketing provides courses and other academic support for the B.S. degree with options in management and marketing. The management and marketing degree programs prepare students for careers in product and service organizations at the regional, national, or international level. Programs can also be tailored for students wishing to pursue careers in legal, government, and not-for-profit institutions. The student in management or marketing is permitted some latitude in selecting courses and may choose various electives to design the most suitable program.

Management students may elect from such areas as human resource management, organization behavior, small-business management, hospitality management, and international management. Marketing students may choose from several areas including sales management, promotions, marketing research, services marketing, retailing, distribution, and international marketing.

International business students may select from regions of the world in combination with their language selection—choosing to study cultural, political, historical, geographical, or literary aspects of areas of countries where that language is spoken. International business students also are strongly encouraged to participate in study abroad, exchange, and international internship programs. (Note: The international business option has a cross-functional business focus and does not reside in any one Cameron School of Business department.)

PRODUCTION AND DECISION SCIENCES

Dr. J. Anderson, *chair.* Dr. Badarinathi, Dr. Canel, Dr. Garris, Dr. Gowan, Dr. Mathieu, Dr. Rosen, Dr. Schell, Dr. Wray, Dr. Zeng.

The Department of Production and Decision Sciences provides courses and other academic support for the B.S. degree with an option in business systems.

Each course in the department focuses on analytical approaches to decision making in business organizations. Core courses offered by the department and required of all students in the Cameron School of Business include statistical analysis, management science, management information systems, and production and operations management.

The business systems option is designed to prepare students for positions as analysts in either management information systems or production systems. Business systems students will enhance their understanding of and develop their skills with quantitative methods used to solve business problems. Those methods will be applied within a framework of systems concepts and will enable the student to approach and solve problems in a structured way.

Courses in the option depend heavily upon computer usage and will give students the opportunity to develop practical skills with computers. Students contemplating the business systems option are encouraged to take at least one introductory course in computer programming prior to applying for admission to the Cameron School of Business.

DEGREE REQUIREMENTS

WATSON SCHOOL OF EDUCATION

Robert E. Tyndall, *dean*
Carol Chase Thomas, *associate dean*, Academic Programs
Karen S. Wetherill, *assistant dean*, Organizational Development and External Programs
Bradford L. Walker, *director*, Student Services

The Donald R. Watson School of Education is a community of scholars dedicated to teaching, learning, creating, and extending knowledge through research. The faculty strives to model effective teaching practices, provide a variety of understandings related to the field of education, encourage application of generalizations learned in field experience sites, enhance collaborative efforts with public and private school systems through a myriad of service activities, and contribute to the knowledge base by engaging in theoretical and applied research. Our mission is to produce competent and effective teachers and administrators for the public schools of our region, state, and nation.

The Watson School of Education offers programs of study leading to the Bachelor of Arts degrees in education of young children, elementary education, middle grades education, and special education, and programs leading to secondary (9-12) and special subjects (K-12) teacher licensure. Students who have baccalaureate degrees and want to add teacher licensure must complete the same requirements as degree-seeking students. In addition, graduate programs in elementary education, middle grades education, reading education, special education, curriculum/instruction supervision, school administration, and the Master of Arts in Teaching are offered.

Responsibility for the degree and licensure (i.e., certification) programs within the Watson School of Education is shared by the Department of Specialty Studies and the Department of Curricular Studies.

Students wishing to pursue teacher preparation programs must be formally admitted to the Watson School of Education and to the Teacher Education Program. Admission is required before enrollment in education courses in the upper division (300 and 400 level). Requirements for admission are:

1. Completion of the university requirements in English, mathematics and a science laboratory course with a grade of "C" (2.00) or better in each course.
2. Completion of EDN 200, "Teacher, School and Society", with a grade of "C" (2.00) or better.
3. Completion of four semesters or two academic years of full-time college study or completion of required general studies program with a minimum overall grade point average of 2.50 on a 4.00 scale on work attempted at UNCW. Transfer students must earn a 2.50 on a minimum of 12 hours completed at UNCW. Pending final approval, the GPA requirement for admission will change to 2.70 cumulative in fall 2000.
4. Passing scores on teacher education entry tests specified and mandated by the Board of Education of the State of North Carolina.

(Note: Licensure requirements change, and program requirements must be adjusted to accommodate new mandated competencies and guidelines. Students must meet the Teacher Education Program requirements in place at the time of their eligibility for admission to the Watson School of Education. Similarly, they must meet the licensure requirements in effect, including mastery on Essential and Advanced Technology standards, at the time their applications are submitted to the North Carolina State Department of Public Instruction. Students are advised to check with their advisors or the associate dean's office to stay informed of programmatic changes.

The Watson School of Education has established a "Standard of Expectation" that all teacher licensure students will possess microcomputers by fall 2000. Students should purchase, lease, or borrow an Intel-based desktop or laptop with the recommended applications software and peripherals including a printer and modem/network card. For addi-

tional information, contact the Director of the Instructional Technology Center in the Watson School of Education.)

SPECIALTY STUDIES

Dr. W. Johnston, *chair.* Dr. Bachner, Dr. Crawford, Dr. A. Hayes, Dr. Harkin, Dr. Howard-Vital, Dr. Kozloff, Dr. Martinez, Dr. Moallem, Dr. Mory, Dr. Rogers, Dr. Smith, Dr. Tyndall, Dr. Wetherill.

The Department of Specialty Studies provides basic professional education courses for the undergraduate programs in elementary, middle grades, secondary, special education, and special subjects (K-12) teacher licensure. The department also is responsible for the programs of study leading to the Master of School Administration, Master of Education in Curriculum/Instruction Supervision, and the Master of Arts in Teaching. The Master of Education, Master of School Administration, and the Master of Arts in Teaching programs are described in the Graduate School Catalogue.

CURRICULAR STUDIES

Dr. G. Burton, *chair.* Dr. Applefield, Dr. Bartolome, Ms. Calhoun, Ms. Chandler, Dr. Collins, Dr. H. Hayes, Dr. Huber, Dr. Jones, Dr. Kermani, Dr. LaNunziata, Dr. Lockledge, Dr. Steele, Dr. Thomas, Dr. Walker, Dr. Wright.

The Department of Curricular Studies is responsible for the programs of study leading to the bachelor of arts degrees in education of young children, elementary education, middle grades education, and special education. The department also is responsible for the graduate programs leading to the Master of Education in elementary education, middle grades education, reading education, and special education. These programs are described in the Graduate School Catalogue.

The Bachelor of Arts program in the education of young children leads to North Carolina teacher licensure in birth through kindergarten. The Bachelor of Arts program in elementary education leads to North Carolina teacher licensure in grades kindergarten through six. The Bachelor of Arts program in middle grades education leads to North Carolina teacher licensure in grades six through nine. The special education program prepares teachers to serve mildly handicapped children from kindergarten through grade 12 in public schools and in various other service agencies and leads to North Carolina teacher licensure in one of three areas of exceptionality: learning disabilities, mental retardation, and behaviorally/emotionally handicapped.

Each degree program is designed to meet North Carolina State Board of Education guidelines for teacher licensure and includes courses in basic studies, professional education and collateral areas, and a content specialization. Adjustments in program requirements are made as guidelines change. All programs offered by the Watson School of Education are accredited by the appropriate state, regional, and national accrediting agencies. It is anticipated that students will graduate within four years of admission to the university. Students may obtain specific information on recommended course sequences leading to timely graduation by contacting the appropriate academic advisor or the chair of the Department of Curricular Studies.

Competency in oral and written communications is considered to be particularly important for entry into the teaching profession. As a result, skills in oral and written communications are stressed in courses throughout the programs of study leading to teacher licensure and are evaluated during the practicum semester. The culminating review and demonstration of oral language competencies are addressed in the following courses depending upon the student's licensure area: EDN 409 (secondary and allied programs), EDN 411 (elementary, middle grades, and special education programs), or EDN 465 (education of young children program).

DEGREE REQUIREMENTS FOR EDUCATION OF YOUNG CHILDREN

Basic Studies

Students should follow basic studies requirements of the University of North at Wilmington as outlined in a previous section of the catalogue.

Interdisciplinary Core

BIO	235	Genetics in Human Affairs
EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
EDN	303	Instructional Technology
HEA	201	First Aid, Safety, and Cardiopulmonary Resuscitation
HEA	207	Nutrition
PSY	220	Child Psychology
SOC	349	Sociology of Children and Childhood

Interdisciplinary Specialty

EDN	380	Child Observation and Assessment
EDN	382	Literacy Development in the Early Years
EDN	383	Conceptual Understandings of the Physical World
EDN	385	Field Experience in Early Childhood Education
EDN	386	Field Experience in Infant/Toddler Education
EDN	387	Field Experience Working With Children With Special Needs
EDN	430	Preschool Curriculum
EDN	450	Infant and Toddler Program Models
EDN	451	Adaptive Practices in Early Childhood
MUS	227	Music in Early Childhood
NUR	345	Health Maintenance Needs for Young Children
PED	350	Motor Behavior
PSY	320	Psychology of Infancy and Early Childhood
PSY	322	Psychology of Exceptional Children
SWK	311	Child Abuse and Neglect

Professional Semester

EDN	460	History and Administration of Preschool Education
EDN	465	Practicum in Education of Young Children (B-K)

Note: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in education courses, as well as all courses in the Interdisciplinary Specialty and the Professional Semester. Students may repeat courses in which they earn a grade lower than a "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for the practicum semester. A minimum of 124 semester hours are required for graduation.

DEGREE REQUIREMENTS FOR ELEMENTARY EDUCATION

Basic Studies

Students should follow basic studies requirements of the University of North Carolina at Wilmington as outlined in a previous section of the catalogue.

Professional Core

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
EDN	301	Instructional Design and Evaluation
EDN	303	Instructional Technology
PSY	223	Life Span Human Development

Professional Education

EDN	319	Meeting Needs of Special Students in Elementary Schools
EDN	322	The Teaching of Mathematics (K-6)
EDNL	322	Math Laboratory
EDN	334	Social Studies Curriculum and Instruction (K-6)
EDN	336	The Teaching of Science and Health (K-6)
EDN	340	Reading Foundations (K-6)
EDNL	340	Literacy Laboratory
EDN	344	Literature in the Elementary School (K-6) (or ENG 380)
EDN	348	The Teaching of Communication Arts (K-6)
EDN	349	The Teaching of Health and Physical Education (K-6)

Professional Semester

EDN	410	Seminar in Education (K-6)
EDN	411	Practicum (K-6)
EDN	414	Experiencing the Cultural Arts

Note: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional courses in the elementary program. Students may repeat courses in which they earn a grade lower than a "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 24 semester hours is required. A maximum of six semester hours of basic studies may be included in the academic concentration. Specific course requirements for the various concentrations may be obtained from the academic advisors in the Watson School of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, biology, chemistry, English, environmental studies, French, geography, geology, history, marine biology, mathematics, music, philosophy and religion, political science, psychology, sociology, Spanish, and theatre.

DEGREE REQUIREMENTS FOR MIDDLE GRADES EDUCATION

Basic Studies

Students should follow basic studies requirements of the University of North Carolina at Wilmington as outlined in a previous section of the catalogue.

Professional Core

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
EDN	301	Instructional Design and Evaluation

EDN 303 Instructional Technology
PSY 223 Life Span Human Development
or
PSY 221 Adolescent Psychology

Professional Education
EDN 318 The Middle School
EDN 320 Meeting Needs of Special Students in Middle Schools
EDN 352 Developing Reading Competence in the Middle Grades

Two content methods courses from:
EDN 335, 338, 355
Methods for mathematics, social studies, science, language arts

Additional Teaching Field: 18 hours as specified with courses from all disciplines related to the field. Fields are language arts, mathematics, science, or social studies.

Professional Semester
EDN 410 Seminar in Education (6-9)
EDN 411 Practicum (6-9)

Note: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional courses in the middle grades education program. Students may repeat courses in which they earned a grade of lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of at least 24 semester hours is required. Specific course requirements may be obtained from the academic advisors in the Watson School of Education. Academic concentrations may be selected from the following disciplines: biology, chemistry, English, environmental studies, geography, geology, history, mathematics, political science, and sociology.

DEGREE REQUIREMENTS FOR SPECIAL EDUCATION

Basic Studies

Students should follow basic studies requirements of the University of North Carolina at Wilmington as outlined in a previous section of the catalogue.

Professional Core
EDN 200 Teacher, School and Society
EDNL 200 Field Studies
EDN 203 Psychological Foundations of Teaching
EDN 301 Instructional Design and Evaluation
EDN 303 Instructional Technology
PSY 223 Life Span Human Development

Curricular Foundations
EDN 322 Teaching of Mathematics (K-6)
EDNL 322 Math Laboratory
or

EDN 323 Teaching of Mathematics (6-9)
EDN 340 Reading Foundations (K-6)
EDNL 340 Literacy Laboratory

Special Education Foundations
EDN 260 Introduction to Exceptional Children
EDN 367 Behavior Management Techniques
EDN 368 Diagnostic Techniques in Special Education
EDN 369 Prescription Development in Special Education
EDN 374 Special Education Curriculum and Instruction

Area of Emphasis

Students must choose one of the following emphases:

1. Behaviorally/Emotionally Handicapped
   EDN 370 Behaviorally Disordered Children and Youth
   EDN 371 Programming and Interventions for Behaviorally Disordered Students
   EDN 410 Seminar in Education
   EDN 411 Practicum
2. Learning Disabilities
   EDN 366 Learning Disabled Children and Adolescents
   EDN 372 Programming and Interventions for Learning Disabled Students
   EDN 410 Seminar in Education
   EDN 411 Practicum
3. Mental Retardation
   EDN 364 Mental Retardation in School and Society
   EDN 373 Programming and Interventions for Mentally Handicapped Students
   EDN 410 Seminar in Education
   EDN 411 Practicum

Note: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional courses in the Special Education Program. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 24 semester hours is required. A maximum of six semester hours of basic studies may be included in the academic concentration. Specific course requirements for the various concentrations may be obtained from the academic advisors in the Watson School of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, biology, chemistry, English, environmental studies, French, geography, geology, history, marine biology, mathematics, music, philosophy and religion, political science, psychology, sociology, Spanish, and theatre.

TEACHER LICENSURE PROGRAM IN SECONDARY AND SPECIAL SUBJECTS

Programs leading to teacher licensure are offered in the secondary (9-12) fields of biology, chemistry, geology, English, history, mathematics, and physics, and in the special subject (K-12) fields of health, physical education, music, French, and Spanish. Students who concentrate in history, political science or sociology may fulfill subject matter requirements for social studies licensure by completing a minimum of 21-23 semester hours in three social studies areas other than the discipline of major concentration. History 101, 102, 103, 201, 202, and PLS 101 must be

completed, as well as at least one course in each of the following areas: sociology/anthropology, economics, and geography.

Students who concentrate in biology, chemistry, earth science or physics may fulfill requirements for science licensure by completing 21-23 semester hours in three science areas other than the discipline of major concentration. A minimum of two courses from each discipline is required. Physics 260 also is required. Students wishing to prepare themselves as secondary or special subject teachers must fulfill degree requirements in an appropriate academic discipline, be admitted to the Watson School of Education, and complete the following sequence of professional courses.

Professional Core

The following courses should be completed before admission to the Teacher Education Program, usually in the sophomore year:

EDN 200 Teacher, School and Society
EDNL 200 Field Studies
EDN 203 Psychological Foundations of Teaching
PSY 223 Life Span Human Development

Professional Studies

Students seeking secondary and special subject licensure must complete the following courses: (See sections below for description of requirements for health and physical education and music education requirements.)

EDN 301 Instructional Design and Evaluation
EDN 303 Instructional Technology
EDN 321 Meeting Needs of Special Students in High Schools
EDN 356 Reading in the Secondary School

and one of the following:

EDN 403 Theory and Practice in Teaching Secondary English (9-12)
EDN 404 Theory and Practice in Teaching Secondary Math (9-12)
EDN 405 Theory and Practice in Teaching Secondary Social Studies (9-12)
EDN 406 Theory and Practice in Teaching Secondary Science (9-12)
EDN 407 Theory and Practice in Teaching Foreign Languages (Spanish and French) (K-12)

Professional Semester

EDN 408 Instructional Seminar
EDN 409 Practicum

Note: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional education courses. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Professional Studies -Health and Physical Education

Students pursuing teacher licensure in health and physical education must complete the following requirements in addition to those of the specialty area.

Professional Core

EDN 200 Teacher, School and Society
EDNL 200 Field Studies
EDN 203 Psychological Foundations of Teaching
PSY 223 Life Span Human Development

Professional Studies

EDN	303	Instructional Technology
EDN	356	Reading in the Secondary School

Professional Semester

EDN	409	Practicum

Note: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional education courses. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

Academic Concentration

An academic concentration of 24 semester hours is required. A maximum of six semester hours of basic studies may be included in the academic concentration. Specific course requirements for the various concentrations may be obtained from the academic advisors within the Watson School of Education. Academic concentrations may be selected from the following disciplines: anthropology, art, biology, chemistry, English, environmental studies, French, geography, geology, history, marine biology, mathematics, music, philosophy and religion, political science, psychology, sociology, Spanish, and theatre.

Professional Studies -Music Education

Students pursuing teacher licensure in music education must complete the following requirements in addition to those of the specialty area.

Professional Core

EDN	200	Teacher, School and Society
EDNL	200	Field Studies
EDN	203	Psychological Foundations of Teaching
PSY	223	Life Span Human Development

Professional Studies

EDN	340	Reading Foundations (K-6)
	or	
EDN	356	Reading in the Secondary School

Professional Semester

EDN	409	Practicum

Note: Admission to the Watson School of Education is required for enrollment in EDN 300- and 400-level courses. A grade of "C" or better is required in all professional education courses. Students may repeat courses in which they earned a grade lower than "C" only with the permission of the dean of the Watson School of Education. A cumulative grade point average of 2.50 is required for eligibility for the practicum semester.

DEGREE REQUIREMENTS

SCHOOL OF NURSING

Virginia W. Adams, *dean*
Perri J. Bomar, *associate dean*

BACHELOR OF SCIENCE DEGREE

Accredited by the National League for Nursing

Dr. Adams, Dr. Anderson, Ms. Baynes, Dr. Bomar, Dr. S. Cummings, Dr. Gray, Dr. Hessenflow, Dr. Hisley, Ms. Jackson, Ms. Moore, Dr. Rosenkoetter, Dr. Scheuring, Ms. Steele, Ms. Stone, Ms. Stowell

The School of Nursing offers a program leading to the Bachelor of Science degree in nursing. The purpose of this baccalaureate program is to prepare a generalist who possesses the knowledge, skills, and attitudes with which to practice family-centered professional nursing in a variety of current and emerging health care delivery systems. In addition, the program is designed to provide a foundation for graduate nursing education. Through interactions with clients—individual persons, families and communities, and other health care professionals, nursing graduates will contribute toward meeting the wide-ranging needs of the region, state, and the larger community.

Program Objectives

The graduate of the University of North Carolina at Wilmington baccalaureate program in nursing is able to:

1. Practice family-centered professional nursing based upon a conceptual framework in a variety of settings.
2. Interact with individuals, families, and communities to promote an environment conducive to health.
3. Utilize the nursing process in the delivery of health care to individuals, families, and communities.
4. Base professional practice upon a synthesis of knowledge from social, behavioral, and natural sciences, nursing theory and research.
5. Demonstrate commitment and accountability to health care consumers and to professional standards.
6. Function as a self-directed learner who assumes responsibility for continued personal and professional growth.
7. Assume a leadership role in the provision and coordination of health care through collaborative relationships with other health care professionals.
8. Influence present and emerging roles of nursing practice to meet the health care needs of a changing society.
9. Stimulate change within clients and health care delivery systems to more effectively promote the health of the community.

Requirements for Admission to the School of Nursing—Bachelor of Science Degree:

1. Admission to the University of North Carolina at Wilmington.
2. Meeting admission criteria defined on page 99.
3. Recommendation of the Committee for Student Affairs of the School of Nursing.
4. Approval of the nursing faculty.

Time Limits: Nursing courses must be completed within a consecutive six-calendar-year period of time.

Ten-Year Rule: Science courses which are more than ten years old will be evaluated by the School of Nursing for currency.

Oral Communication Competency Requirement: Within the new nursing curriculum, a group of required clinical courses are deemed as oral intensive in the nursing major. These courses meet the UNCW requirement for oral communication competency. NSG 330, and 370 are required courses for the generic student in the baccalaureate program. NSG 389 and 489 are required courses for registered nurses in the baccalaureate program.

Requirements for the B.S. degree in Nursing:

Collateral courses: PSY 105, 223; SOC 105, 345 or PSY 366; MAT 111; BIO 240, 241, 246; CHM and CHML 101, CHM and CHML 215 or BIO 110; STT 210. (Note: Completion of these courses will satisfy university basic studies requirements in the social and behavioral sciences and the natural and mathematical sciences.)

Core courses: NSG 250 and NSGL 250, NSG 312, 330 and NSGL 330, NSG 331, 362, 370 and NSGL 370, NSG 410, 415, 430 and NSGL 430, NSG 460, 470 and NSGL 470, NSG 490.

A minimum grade of "C" (2.00) is required in each nursing course. An overall grade point average of 2.00 in nursing courses is required for graduation.

Because many of the required courses are sequential, have prerequisites, and may be offered only once a year, it is vital for students to complete them successfully in the proper sequence. Sample schedules are available in the Center for Academic Advising and in the School of Nursing. Because of the heavy concentration of laboratory and practicum courses in the junior and senior years, students are urged to fulfill university basic studies requirements during the freshman and sophomore years and to take an average of 16 hours per semester. In addition to university basic studies requirements and nursing requirements, students must take elective courses to satisfy the university requirement of a minimum of 124 hours. One summer session (session I between the second and third year) will be required in order to complete the requirements in four years.

REGISTERED NURSES (RN) ACCESS PROGRAM

Registered Nurses wishing to obtain the B.S. degree in nursing must meet all university admissions and basic studies requirements. Because many of the required courses are sequential, have prerequisites, and may be offered only once a year, it is vital for students to complete them successfully in the proper sequence. In addition to university basic studies requirements and nursing requirements, students must take elective courses to satisfy the university requirement of a minimum of 124 hours. Sample schedules are available in the Center for Academic Advising and in the School of Nursing. Upon successful completion of NSG 216, RN ACCESS students are granted 24 placement hours credit.

Requirements for the B.S. degree in Nursing, RN ACCESS Program:

Collateral courses: PSY 105, 223; SOC 105, 345 or PSY 366; MAT 111; BIO 240, 241, 246; CHM 101 and CHML 101, CHM 215 and CHML 215 or BIO 110; STT 210. (Note: Completion of these courses will satisfy university basic studies requirements in the social and behavioral sciences and the natural and mathematical sciences.)

Core Courses: NSG 216, 250 and NSGL 250, NSG 389 and NSGL 389, NSG 410, 415, 420 and NSGL 420, NSG 489 and NSGL 489, NSG 490.

A minimum grade of "C" (2.00) is required in each nursing course. An overall grade point average of 2.00 in nursing courses is required for graduation.

Notes:

1. A part-time sequence is available for the RN ACCESS Program.
2. The School of Nursing is reviewing its Bachelor of Science degree in nursing program and may make changes which could have an impact on the RN ACCESS Program.

NSG 445, Nursing in Barbados, is available during the first session of summer school as an elective course for upper-level nursing majors and registered nurses. Students who are interested in international nursing are encouraged to take this course.

DEGREE REQUIREMENTS

CLINICAL LABORATORY SCIENCE

Anne F. Kendrick, *advisor*
http://www.uncwil.edu/catalogue/cls.htm

The clinical laboratory scientist, also known as a medical technologist, is responsible for performing and evaluating laboratory tests to determine the presence of disease in the human body. This scientist may also become involved in laboratory supervision, computer technology, education, health administration, and medical research.

UNCW students have two programs of study from which to choose:

*1. The "3+1" option, which leads to a B.S. with a major in clinical laboratory science. The first 90 semester hours (three years) are completed on campus with the final year (12 months) spent in training at one of the affiliated hospital programs listed below:
   - Bowman Gray School of Medicine/North Carolina Baptist Hospital, Winston-Salem, N.C.
   - Carolinas Medical Center, Charlotte, N.C.
   - Moses Cone Memorial Hospital, Greensboro, N.C.
   - New Hanover Regional Medical Center, Wilmington, N.C.
2. The "4+1" option, which includes earning a B.A. or B.S. with a major in either biology or chemistry before beginning the clinical training year.

Completion of the first years of study at UNCW does not assure the student admission to the year of clinical training. There is much competition for the limited space available. The application process for hospital programs should begin one year before the student wishes to enroll. Guidance by the faculty advisor should be sought, since entrance requirements may differ at various hospitals.

*Students majoring in clinical laboratory science must file for graduation during the first semester of the junior year. This application is filed in the Office of the Registrar.

Oral Communication Competency Requirement: To satisfy the oral communication competency requirement for the B.S. degree in clinical laboratory science a student must successfully complete any approved oral intensive course (see list on page 89).

Requirements for a Major in Clinical Laboratory Science for a B.S. degree:

1. Basic studies course requirements: 45 semester hours
2. Course requirements that are prerequisites for the clinical training program:

BIO 108	Introduction to Clinical Laboratory Science (1)
BIO 110*	Principles of Biology (4)

One of the following combinations:

BIO 206* and BIO 345	Animal Biology and Animal Physiology (4,4)
or	
BIO 206* and BIO 347	Animal Biology and Molecular Biology of the Cell (4,4)
or	
BIO 240*-241	Human Anatomy and Physiology (4-4)
BIO 320	Immunology (3)
BIO 425	Microbiology (4)
BIO 371 or BIO 377	Human Fungal Diseases (1) or Mycology (4)
CHM 101-102	General Chemistry (4-4)
CHM 211	Organic Chemistry (4)
CHM 212 or BIO 465	Organic Chemistry or Biochemistry with lab (4)
MAT 111 or 115	College Algebra or Precalculus (3)

Recommended elective courses:

CHM 235	Quantitative Analysis (4)
BIO 335 or BIO 235	Genetics or Genetics in Human Affairs (3)
BIO 465	Biochemistry (4)
STT 215	Introduction to Statistics (3)
CSC 105	Introduction to Computer and Computer Applications (2)

*Requirement to declare a major in clinical laboratory science: A 2.50 overall grade point average and 2.50 average in BIO 110 & 206 or a 2.50 average in BIO 110 & 240.

"3+1" students enrolled as freshman can complete the prerequisites for the clinical training program in three years. Transfer students, depending on the required courses remaining, may need more than three years.

3. Clinical laboratory science course requirements for the senior clinical training program year (34 hours) are earned at the clinical affiliate program. Credit for these courses may not be counted toward any other degree at the University of North Carolina at Wilmington.

CLS 401	Immunology-Serology (2)
CLS 405	Hematology (8)
CLS 407	Immunohematology (4)
CLS 412	Clinical Microbiology (8)
CLS 414	Clinical Microscopy (2)
CLS 420	Clinical Chemistry (8-10)
CLS 490	Special Topics in the Clinical Laboratory Sciences (1-2)

EXTENSION COURSES

The Division of Academic Affairs in collaboration with the Division for Public Service and Extended Education administers the university's extension (academic) program.

The university operates upper-division undergraduate degree completion programs in elementary education, education of young children, business, nursing (RN-Access) and criminal justice at the Jacksonville/Onslow County program site. Courses are scheduled on the Coastal Carolina Community College campus as well as the Marine Corps Base, Camp Lejeune.

Additional extension offerings also include undergraduate and graduate courses at off-campus sites. Extension applications are received by the Admissions Office while requests for transcripts should be sent to the Registrar of the University of North Carolina at Wilmington.

Information concerning all extension courses may be obtained by contacting the Division for Public Service and Extended Education.

JOINT PROGRAMS

THE TWO-PLUS-TWO ENGINEERING PROGRAM

Dr. Kenneth C. Diehl, *director*

The Two-Plus-Two Engineering Program is offered jointly by the University of North Carolina at Wilmington and North Carolina's three state-supported Colleges of Engineering. It leads to a bachelor's degree from either North Carolina State University, the University of North Carolina at Charlotte, or North Carolina A&T State University. The purpose of the Two-Plus-Two Program is to offer students the opportunity to complete approximately one-half of the B.S. degree requirements by attending UNCW for the first two years and then transferring to one of the three universities for the remaining two years. Courses offered at UNCW in the first two years include the required basic engineering courses. See Engineering in the Course Descriptions section of this catalogue for a listing of these courses. Contact the director for the most recent information on courses offered, curricula, and the Two-Plus-Two program.

Engineering degree programs offered by the three colleges of engineering include:

North Carolina State University

- Aerospace
- Biological
- Chemical
- Civil
- Civil (construction option)
- Computer
- Electrical
- Environmental
- Industrial
- Materials
- Mechanical
- Nuclear
- Textile

North Carolina A&T State University

- Agricultural and Biosystems
- Architectural
- Chemical
- Civil
- Electrical
- Industrial
- Mechanical

University of North Carolina at Charlotte

- Civil
- Electrical
- Mechanical

PRE-PROFESSIONAL PROGRAMS

PRE-AGRICULTURE AND PRE-FORESTRY

Dr. David Sieren, *advisor*

Pre-professional programs in forestry and agriculture are arranged which enable students to transfer to schools offering professional training in the two fields. The programs are designed to meet the requirements and recommendations of the professional schools, and students should plan their programs in consultation with the pre-agriculture or pre-forestry advisor.

PRE-ALLIED HEALTH

Mrs. Rebecca B. Jones, *advisor*

Students interested in careers in the field of allied health should contact the advisor for information, including prerequisites and application procedures leading to degrees available in many fields, including radiation therapy, occupational therapy, nuclear medicine technology, and physician assistant.

PRE-DENTISTRY

Mrs. Rebecca B. Jones, *advisor*

Students wishing to become dentists should consult the pre-dentistry advisor early in their academic career. The requirements for admission to dental school are similar to the requirements for medical school, with the exception that a Dental Admissions Test (DAT) is taken during the spring of the junior year.

HEALTH-RELATED CAREERS (freshman advising)

Dr. Timothy A. Ballard, *advisor*

The Center for Academic Advising assists students in taking the required courses during the freshman year for all health-related careers (e.g., medicine, pharmacy, etc.).

First Semester

ENG	101	College Writing and Reading I or 103
MAT	111	Pre-Calculus Math (or higher, e.g., MAT 115 or 161)
CHM	101	General Chemistry
BIO	110	Principles of Biology

Second Semester

ENG	102	College Writing and Reading II
CHM	102	General Chemistry
BIO	206	Animal Biology

PRE-LAW

Dr. Stephen Meinhold, *advisor*

Students who plan to prepare for law school may select a major in any discipline that fulfills the requirements for a baccalaureate degree at UNCW. In developing a pre-law program, the student should be aware of the recommendation of the Association of American Law Schools, which describes the basic skills and insights it believes fundamental to the later attainment of legal competence. These are (a) comprehension and expression in words; (b) critical understanding of human institutions and values with which the law deals; (c) creative power in thinking. In order to develop these capacities, the association recommends a pre-legal education of "the broadest scope." To accomplish these goals the University of North Carolina at Wilmington offers a wide range of pre-law courses. Although political science and business are frequently selected by pre-law students as their major, economics, English, history, sociology and others are sometimes selected. Regardless of the major, the pre-law student should be zealous in the selection of electives that will facilitate critical understanding of economic, political and social institutions. Since a lawyer must be able to communicate effectively, the pre-law student is well-advised to lay special emphasis on communicative skills. Also, a knowledge of elementary accounting is highly recommended.

Finally, the pre-law student should remember that the quality of undergraduate instruction is more important than the subject matter area. The Association of American Law Schools recommends the selection of courses which require the greatest preparation and intellectual discipline. "The best trained applicant for law school," states the association, "is the student who has studied under teachers who have inspired, challenged, and pressed him."

All candidates for law school should apply in time to ensure that their completed file is available by January 1 of the year they plan to enter. This means that they should register for either the June or September administration of the Law School Admissions Test and for the Law School Data Assembly Service. The LSAT and the LSDAS are explained fully in the Law School Admission Bulletin which is available in the Department of Political Science. Additional information and advice may be secured from the pre-law advisor in the Department of Political Science.

PRE-MEDICINE

Dr. Timothy A. Ballard, *advisor*

Students wishing to pursue a career in medicine may elect to major in any discipline as long as certain basic courses in the natural sciences and humanities are incorporated into their curriculum. Most medical schools require students to have a minimum of two semesters of introductory (inorganic) chemistry with labs, two semesters of organic chemistry with labs, two semesters of biology (including zoology) with labs, two semesters of physics with labs, and two semesters of English composition and literature. Pre-med students should plan to take the Medical College Admission Test (MCAT) in the spring of their junior year. High academic achievement, involvement in extra-curricular activities including volunteer work in a health-related field, and dedication to a career in medicine are among the many requisites for successful application to medical school. The Health Science Club exists to help pre-med students, as well as others interested in careers in the health professions, learn more about their options. Pre-med students should have their official academic advisor in the department of their major, but they should seek advice on pre-medical issues from the pre-med advisor. A copy of the UNCW Pre-medical Sciences Student Manual should be obtained from the pre-med advisor; this booklet outlines the pre-medical program and includes a timetable and a checklist for the application process. The pre-med advisor maintains a file of information on medical schools, materials for helping students prepare for the MCAT, registration materials for the MCAT, and applications to medical school. Pre-med students are encouraged to discuss their career plans with the pre-med advisor early in their academic program, preferably in the freshman year.

PRE-OPTOMETRY

Mrs. Rebecca B. Jones, *advisor*

Students desiring to become optometrists should contact the pre-optometry advisor to learn requirements for admission to optometry school and application deadlines for the optometry admission test (OAT) which is given twice a year.

PRE-PHARMACY

Mrs. Rebecca B. Jones, *advisor*

Students interested in careers in pharmacy should consult with the pre-pharmacy advisor before arranging their academic schedules. Basic course work in biology, chemistry, physics, and mathematics is required, as well as additional studies in the social sciences and humanities in the two-year pre-pharmacy program. Students should arrange through their advisor to take the Pharmacy College Admission Test (PCAT) in November of their second year. Applications to pharmacy schools should be made in the fall or winter of the second year.

PRE-PHYSICAL THERAPY

Dr. Yousry A. Sayed, *advisor*

The University of North Carolina-Chapel Hill offers a master's degree in physical therapy for which the following prerequisites must be completed successfully prior to application: STT 215, BIO 110, 240, 241, CHM 101, 102, PHY 101, 102, PSY 105, 223, CPR Certification. If a master's degree is preferred, a student may earn a bachelor's degree at UNCW and apply for graduate acceptance at UNC-Chapel Hill.

East Carolina University now offers a master's degree in physical therapy. Interested students should contact the UNCW pre-physical therapy advisor. Information on the ECU master's program will be available in the Center for Academic Advising.

Winston-Salem State University offers a bachelor's degree in physical therapy. Students should consult the UNCW pre-physical therapy advisor for more information.

Whether the student is interested in a master's degree or a bachelor's degree in physical therapy, the standards for acceptance are competitive and require an excellent academic record for acceptance.

PRE-PODIATRY

Dr. Rebecca B. Jones, *advisor*

Students wishing to attend podiatry school should consult the pre-podiatry advisor early in their academic career.

PRE-VETERINARY MEDICINE

Dr. D. Ann Pabst, *advisor*

The student interested in applying to a school of veterinary medicine may complete basic requirements for admission at the University of North Carolina at Wilmington. Specialized courses not offered at this institution must be taken elsewhere. The only school of veterinary medicine in North Carolina is located at North Carolina State University in Raleigh. Students planning to pursue a career in veterinary medicine should consult with the advisor to plan the program of study and contact the veterinary school of choice early in their academic program.

COURSE DESCRIPTIONS

All undergraduate courses offered by the university are listed. Not all of the courses listed are offered within a single academic year. A listing of the courses offered during a given semester is printed in a class schedule booklet, which is placed in each student's university mailbox before preregistration each semester.

TRIAL COURSES

Academic departments may offer special trial courses during the fall and spring semesters on a one-time basis without adding them to their regular departmental offerings. A second trial offering, if additional data are essential, must be within two regular semesters of the first. Numbers designating these special courses are 292 and 492. Descriptive information on trial courses does not appear in the catalogue but is on file in the Office of the Registrar.

SEQUENCED COURSES

A hyphen connecting courses (e.g., 201-202) indicates that the first course in the sequence must be satisfactorily completed prior to registration in the second course of the sequence. When course numbers are separated by a comma (e.g., 201, 202), the first course is not necessarily prerequisite to those following.

CREDITS AND CLASS MEETINGS

Unless specifically indicated at the end of the course description, the number of hours a class meets each week is the same as the credit hour value of the course. The semester hours credit for each course is indicated in parentheses immediately following the title of the course. For example, if three hours of credit may be earned, the credit is indicated as follows: (3). In variable credit courses, the minimum and maximum hours are shown as follows: (1-3).

COURSE PREFIXES

The prefixes used to designate courses are abbreviations of the names of departments or fields of study within departments, as shown below:

ACG Accountancy (Department of Accountancy and Business Law)
AMS American Studies (College of Arts and Sciences)
ANT Anthropology (Department of Sociology and Anthropology)
ART Art (Department of Art and Theatre)
BIO Biological Sciences (Department of Biological Sciences)
BLA Business Law (Department of Accountancy and Business Law)
BUS Business (Department of Management and Marketing)
CHM Chemistry (Department of Chemistry)
CLA Classical Studies (Department of Foreign Languages and Literatures)
CLS Clinical Laboratory Sciences (Department of Biological Sciences)
COM Communication Studies (Department of Communication Studies)
CRJ Criminal Justice (Department of Sociology and Anthropology)
CRW Creative Writing (Department of Creative Writing)
CSC Computer Science (Department of Computer Science)
ECN Economics (Department of Economics and Finance)
EDN Education (Department of Curricular Studies, Department of Specialty Studies)
EGN Pre-Engineering (College of Arts and Sciences)
ENG English (Department of English)
EVS Environmental Studies (College of Arts and Sciences)
FIN Finance (Department of Economics and Finance)
FRH French (Department of Foreign Languages and Literatures)

GER German (Department of Foreign Languages and Literatures)
GGY Geography (Department of Earth Sciences)
GLY Geology (Department of Earth Sciences)
GRN Gerontology (College of Arts and Sciences)
HEA Health (Department of Health, Physical Education, and Recreation)
HON Honors (Honors Program)
HST History (Department of History)
INT International Studies (International Programs)
ITN Italian (Department of Foreign Languages and Literatures)
JPN Japanese (Department of Foreign Languages and Literatures)
LAT Latin (Department of Foreign Languages and Literatures)
LED Leadership Studies (Department of Communication Studies)
MAT Mathematics (Department of Mathematics and Statistics)
MGT Management (Department of Management and Marketing)
MKT Marketing (Department of Management and Marketing)
MUS Music (Department of Music)
NSG Nursing (School of Nursing)
P&R Philosophy and Religion (Department of Philosophy and Religion)
PDS Production and Decision Sciences (Department of Production and Decision Sciences)
PED Physical Education (Department of Health, Physical Education, and Recreation)
PHY Physics (Department of Physics and Physical Oceanography)
PLS Political Science (Department of Political Science)
PRT Portuguese (Department of Foreign Languages and Literatures)
PSY Psychology (Department of Psychology)
REC Recreation (Department of Health, Physical Education, & Recreation)
SHS Science, the Humanities, & Society (College of Arts and Sciences)
SOC Sociology (Department of Sociology and Anthropology)
SPN Spanish (Department of Foreign Languages and Literatures)
STT Statistics (Department of Mathematics and Statistics)
SWK Social Work (Department of Social Work)
TEC Technology (Technology College)
THR Theatre (Department of Art and Theatre)
UNI University Studies (Student Academic Support Programs)
WMS Women's Studies (College of Arts and Sciences)

Accountancy Course Descriptions

(Department of Accountancy and Business Law)

ACG 201. Financial Accounting (3) Prerequisite or corequisite: MAT 111. An introduction to the basic framework of accounting for both students majoring in accountancy and other disciplines. Includes preparation of financial records, financial statements, and analysis of the major financial statements with emphasis on the underlying accounting concepts and constraints. Normally taken concurrently with ACGL 201.

ACGL 201. Financial Accounting Laboratory (1) Prerequisite or corequisite: ACG 201. Two laboratory hours each week.

ACG 203. Managerial Accounting (3) Prerequisite: ACG 201. An introduction to the concepts and techniques used by management to analyze and interpret accounting data in the organization.

ACG 301-302. Intermediate Accounting I and II (3-3) Prerequisite: A grade of "C-" or better in ACG 201 and 203; for ACG 302, a grade of "C-" or better in ACG 301. Analysis of traditional financial accounting topics and theory. Examines recent developments in accounting measurement and promulgations of the leading professional accounting organizations. ACG 301 emphasizes development of accounting standards and theory, financial statements, and current assets. ACG 302 emphasizes plant assets, long-term investments, liabilities, stockholders' equity, and revenue recognition.

ACG 305. Cost Accounting (3) Prerequisite: ACG 203. Costs for planning and control, including the role of the accountant in the organization; cost behavior and volume-profit relationships; responsibility accounting; standard costs; flexible budgets; cost structures for control and motivation; and relevant costs for nonroutine decisions.

ACG 306. Accounting Information Systems (3) Prerequisite: ACG 203. Basic concepts of accounting information systems including both manual and computer based systems. Examines transaction processing systems with emphasis on internal controls and documentation. Laboratory projects include advanced spreadsheet functions, and an accounting software package. Two lecture hours and two laboratory hours each week.

ACG 307. Administrative Accounting and Control (3) Prerequisite: ACG 305 and PDS 314. The controllership function and analytical methods to serve the information needs of decision making and control; advanced topics in cost accounting, forecasting, budget design and preparation, and responsibility accounting.

ACG 402. Advanced Accounting (3) Prerequisite: A grade of "C-" or better in ACG 301. An in depth analysis of major topics in financial accounting. Topics include: consolidations, partnerships, not-for-profit accounting, pensions, foreign currency transactions, corporate liquidation, and segment and interim reporting.

ACG 403 (503). Non-Profit Organization Accounting (3) Prerequisite: ACG 302. Accounting for not-for-profit organizations including governments, colleges and universities, hospitals, charities, and other not-for-profit organizations. Emphasis is on objectives and preparation of financial statements, the use of managerial reports, and budgetary data.

ACG 404. Federal Income Taxes I (3) Prerequisite: ACG 203. Study of federal income taxation of individuals. Includes business expenses and revenues, depreciation, and property transactions and the history and development of taxation.

ACG 405 (505). Corporate and Partnership Taxation (3) Prerequisite: A grade of "C-" or better in ACG 404. The study of corporate and partnership taxation. Emphasis is on corporation and partnership organization, operations, distributions, liquidation and reorganization.

ACG 407. Auditing (3) Prerequisite: ACG 306 and a grade of "C-" or better in ACG 302. Objectives, standards and procedures involved in examining and reporting on financial statements of business organizations by independent auditors in light of ethical and legal obligations.

ACG 410. Financial Statement Analysis (3) Prerequisite: FIN 335. An examination of the conceptual background and analytical tools necessary to understand and interpret financial statements. Students will learn how to access, manipulate, and analyze financial statement data from various databases.

ACG 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

ACG 495. Senior Seminar in Accountancy (3) Prerequisite: Senior standing. Special topics in accountancy not regularly addressed in other courses in accountancy.

ACG 498. Accounting Internship (1-6) Prerequisite: Senior status, grade-point average of at least 3.00 (cumulative, and in accounting courses), and consent of faculty supervisor. Involves the application of accounting knowledge in a "real world" setting. The participant receives hands-on experience under the guidance of a manager from a business or no-for-profit organization, or CPA firm. Six (6) semester hour internships are available to students who plan to enter the Master of Science in Accountancy program at UNCW, achieve satisfactory performance on the Graduate Management Admission Test, and complete specific course work prior to commencement of the internship.

ACG 499. Honors Work in Accounting (2-3) Prerequisite: Senior standing. Independent work for honors students.

American Studies Course Description

(College of Arts and Sciences)

AMS 200. Introduction to American Studies (3) Survey of major themes in American culture and the methods used to study them. Required for the American Studies minor.

AMS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Anthropology Course Descriptions

(Department of Sociology and Anthropology)

ANT 105. Introduction to Anthropology (3) Introduction to the physical, archaeological, linguistic, and ethnological fields of anthropology; biological and cultural evolution of man.

ANT 205. (SOC 205) Human Societies (3) The comparative study of human society and culture, with selected ethnographic examples to illustrate human adaptation to specific environments and reveal patterns of major social institutions—economy, marriage and kinship, politics and religion—which underlie and support a particular way of life. Comparisons are drawn among hunter-gatherer, tribal horticultural, peasant and modern industrial societies. Perspectives on the dynamics of social process and cultural change are also introduced.

ANT 206. Cultural Anthropology (3) A presentation of the content and historical development of cultural anthropology. Deals with the cultural relativism, ethnocentrism, institutional analysis and cultural integration and shifts in theoretical perspectives by comparing ethnographies of selected cultures.

ANT 207. Archaeology (3) The concepts and aims of archaeology, its history as a scientific discipline and its present role in the social sciences. Attention to basic principles in field work and to recent advances.

ANTL 207. Archaeological Laboratory (1) Corequisite or prerequisite: ANT 207. Course is designed to familiarize students with techniques of archaeological recovery, preparation, preservation, and analysis of recovered archaeological materials. Laboratory work will parallel lecture, providing practical experience in techniques covered as part of lecture course. It is not necessary to take the lab in order to take lecture. Three hours each week.

ANT 208. Language and Culture (3) Human language, its characteristics and its relationship to other communication systems will be examined. The use of language to illuminate historical relationships and current sociocultural processes will be discussed, as well as ways in which one can investigate culture through cognitive structures elicited from speech.

ANT 210. Physical Anthropology (3) Introduction to the study of human evolution. Consideration given to the fossil evidence for humans and putative human ancestors, early development of culture, and dynamics of cultural and biological changes in recent and living human populations.

ANT 211. Fundamentals of Forensic Anthropology (3) The role of the physical anthropologist in the forensic sciences. Topics include (with reference to case studies): history of forensic anthropology in the US; procedures for search and recovery of human remains; method of identification from the skeleton trauma analyses; manners of death; time since death estimations; facial reconstruction; photo/video superimposition techniques.

ANT 215. Anthropology of Native Americans (3) Survey of native peoples and their cultures. Major cultural adaptations reflected in subsistence practice, crafts and arts; social, political, and ceremonial patterns of the native peoples of North America.

ANT 230. (SOC 230) Utopian and Communal Societies (3) A theoretical and descriptive analysis of "intentional" communities and social systems. Coverage of earliest utopian experiments and modern rural and urban communes. Communities are reviewed in terms of their origin and purpose, ideology, subsistence, social patterns, relations with the outside world, and survival.

ANT 250. World Cultures Through Film (3) Ethnographic films and readings are used to explore variability in human culture and society. Films present people living in diverse ecologies and at different levels of social complexity. Interpretation is based upon the concepts and theories of cultural anthropology.

ANT 301. Shamanism, Witchcraft, and Cults (3) Prerequisite: ANT 105 or 206 or sophomore standing. A study of the religious institutions of traditional band, tribal and peasant societies. Topics cover psychological stress, social control, and ritual healing. The cult within modern Western society will be compared with cults in traditional preindustrial society.

ANT 302. Critical Issues in Developing Countries (3) Prerequisite: ANT 105 or 206, junior standing, or consent of instructor. The impact of Western industrial societies on developing countries. Cross-cultural perspective on acculturation, underdevelopment, modernization, economic dependency and rural to urban migration.

ANT 303. Anthropology of Gender (3) Prerequisite: ANT 105 or 206 or SOC 105 or consent of instructor. A study of gender roles in traditional cultures; an analysis of historical, ideological, economic, and social systems of traditional cultures as influenced by gender.

ANT 304. Native South Americans: Past and Present Perspectives (3) Prerequisite: ANT 105 or 206, or consent of instructor. Human populations and their adaptions to the South American continent. Approximately equal emphasis is given Native Americans in past and contemporary societies.

ANT 305. Native North Americans: Contemporary Issues (3) Prerequisite: Sophomore standing. A study of the major issues facing Native Americans today in North America. Traditional North American cultures and their history of contact with Euro-American culture provides the background to analyze contemporary issues of identity, land claims, religious freedom, energy resources, health and education.

ANT 306. Principles of Kinship and Social Organization (3) Prerequisite: ANT 105. This course deals with the structures and functions of kinship in a variety of cultures as a background for the study of complex cultural patterns.

ANT 307. New World Archaeology (3) Prerequisite: ANT 105 or 207 or consent of instructor. The entry of man into North America and South America will be examined using archaeological data. Other topics will include the post-Pleistocene expansion of big game hunters, woodland hunter-gatherers, and the development of agricultural societies. Diffusion versus independent invention will be considered.

ANT 309. Environmental Anthropology (3) Prerequisite: ANT 105 or 206 or 207 or consent of instructor. A study of cultural adaptations as responses of human populations to varied environments; this course will focus upon cultural vs. biological adaptation from the archaeological past to the ethnographic present.

ANT 311. Field Methods in Archaeology (3-6) Prerequisite: ANT 207. Practical field methods of land-site archaeology will be taught through the excavation of local archaeological sites. Scientific excavation, sampling, and preservation techniques will be presented as the basic tools of the archaeologist.

ANT 317. Latin American Anthropology (3) Prerequisite: ANT 105 or 206, or consent of instructor. Complex national cultures of Latin America. Contemporary issues such as the rights of native peoples, peasant land reform, urban slum settlements, development of resources, and political and economic reform movements. Case studies of individual countries.

ANT 320. Human Origins (3) Prerequisite: ANT 210 or consent of instructor. Classification and history of human evolution deduced from the fossil record and molecular data. Discussion of Tertiary hominoids and emergence of humans with emphasis on Australopithecines and later Pleistocene hominoids.

ANT 322. Primate Biology and Behavior (3) Prerequisite: ANT 210 or consent of instructor. Ecology, social behavior, and functional morphology and classification of living primates (prosimians, monkeys, and apes); their evolutionary history and development.

ANT 324. Human Biological Variation (3) Prerequisite: ANT 210 or consent of instructor. Nature and extent of heritable differences among human populationsin evolutionary perspective. Consideration of effects of environmental factors on genic expression.

ANT 326. Human Osteology (3) Prerequisite: ANT 210. Corequisite: ANTL 326. The human skeleton focusing on bone biology and skeletal anatomy. Topics include: techniques to examine and measure bones; methods for the estimation of age, sex, ancestry, and stature; analyses of pathology (disease and trauma). Topics presented within the context of specialized areas of physical anthropology, such as skeletal biology, paleodemography, and forensic anthropology.

ANTL 326. Human Osteology Laboratory (1) Prerequisite: ANT 210. Corequisite: ANT 326. The application of concepts, techniques, and methodologies to actual skeletal materials. Three lab hours each week.

ANT 345. Method and Practice in Cultural Anthropology (3) Prerequisite: ANT 206 or consent of instructor. Ethnographic field methods through selected readings demonstrating field techniques of major figures in cultural anthropology, past and present. Practice involves exercises in participant observation, in-depth interviewing, survey research, photographic analysis, and tape recordings of cultural events.

ANT 350. Maritime Anthropology (3) Prerequisite: ANT 105 or 206, or consent of instructor. Fishermen, navigators, boat builders, and seamen. Origins and development of human maritime adaptations in selected regions of the world. Themes include primitive and traditional fisheries, technological innovation, fisheries management and law of the sea.

ANT 387. (ART 387) Museum Studies (3) Prerequisite: Consent of instructor. A lecture course focusing on the philosophies and practical exigencies of management of a museum. The course involves actual experience at local museums under the supervision of the director, familiarity with museum policies, roles of the staff, and work within the major areas of museum operations of administration, exhibition, and education.

ANTL 387. (ARTL 387) Museum Studies Practicum (1) Prerequisite: Consent of instructor. Practicum includes exhibit installations, sales gallery operations, working with the permanent collection, and assessing and developing educational programs. Three hours each week.

ANT 411. (HST 507) Advanced Field Training in Archaeology (3) Prerequisite: HST 201 or 441; ANT 311, and consent of instructor. Supervisory training for field archaeologists. Students direct specific aspects of archaeological excavation, including research design, data recovery, daily site management, and field analysis. Summers.

ANT 412. (HST 508) Historical Archaeology (3) Prerequisite: HST 201 or 441, or ANT 105 or 207, or consent of instructor and graduate status. Substantive investigation of the special excavation and analysis procedures, subject matter, and goals of archaeology as applied to the historic past of North America. Special emphasis placed upon historic archaeological sites in the local region. Lecture, laboratory, and field work.

ANT 430. (BIO 430) Evolutionary Biology (3) Prerequisite: BIO 335 (Genetics). Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics using relevant illustrative examples from the literature.

ANT 450. History of Anthropological Theory (3) Prerequisite: ANT 206; six hours of anthropology above the introductory level or consent of instructor. Development of anthropological theory through the research and writings of key figures in the field. Attention is directed toward social and intellectual contexts out of which anthropological theories emerge.

ANT 455. Reading Material Culture (3) Prerequisite: ANT 207 or 412. Examination of the theoretical continuities among cultural anthropology, linguistics, and history as evidenced in the record of material culture revealed through archaeology. Emphasis on the historical archaeology of the post-medieval European expansion. Two lecture and two laboratory hours each week.

ANT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

ANT 495. Topical Seminar (1-3) Prerequisite: Consent of instructor. Discussion of selected topics in anthropology. May be repeated under a different subtitle.

ANT 498. Internship in Anthropology (1-6) Prerequisite: junior or senior standing and consent of instructor. Supervised practical experience with public or private agency, organization or institution. Area of concentration, requirements, and means of evaluation to be defined in consultation with supervising faculty.

ANT 499. Honors Work in Anthropology (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494, see explanations on p. 151, 94.

Art Course Descriptions

(Department of Art and Theatre)

ART 101, 102. Design (3,3) 101: Study of the principles of two-dimensional design and introduction to color theory. 102: Study of the concepts of three-dimensional design and of the nature of problem solving. One lecture and six studio hours each week.

ART 111. Drawing Fundamentals (3) Fundamentals of drawing; investigation of processes and visual concepts with emphasis on charcoal. Four studio hours each week.

ART 112. Drawing Fundamentals (3) Fundamentals of drawing; investigation of processes and visual concepts with emphasis on linear media pencil, stick graphite, charcoal pencil, and ink. Four studio hours each week.

ART 201. Ancient Through Medieval Period (3) A survey of art from ancient through medieval with an emphasis on major artistic developments in their historical and cultural context.

ART 202. Renaissance Through Early Modern Period (3) A survey of Western art from the Renaissance to the Modern Period with an emphasis on major artistic developments in their historical and cultural context.

ART 205. History of Photography (3) Covers history of photography from its invention in 1839 until the present day. Emphasis on the development of techniques, imagery and aesthetics of photography as art and documentation.

ART 211. Beginning Life Drawing (3) Prerequisite: ART 111 or 112 with permission of instructor. Drawing from the model: structure, geometric form, and composition using various media: pencil, charcoal, India ink, etc. Six hours per week.

ART 212. Beginning Life Drawing (3) Prerequisite: ART 111 or 112 with permission of instructor. Drawing from the model: structure, anatomy and composition using various media: pencil, charcoal, India ink, etc. Six studio hours per week.

ART 220. (CSC 220) Computer Animation for the Visual Arts (3) Prerequisite: ART 101 or consent of instructor. Exploration of design elements of shape, line, texture, value, color, space, and time using computer graphics software with microcomputers. Projects in 2-D and animation.

ART 221. Beginning Ceramics (3) Introduction to pottery: handbuilding and throwing on the potter's wheel; design and form; basic glazing practices; ceramic terminology; history. One lecture and five studio hours each week.

ART 233. Beginning Intaglio and Relief (3) Prerequisite: ART 101. Survey of intaglio and relief printmaking history and techniques. Introduction to relief processes on blocks and intaglio processes on plates. Woodcut, linocut, monotype, drypoint, line etching, and soft ground etching. Six studio hours per week.

ART 235. Beginning Serigraphy (3) Prerequisite: ART 101 or ART 241 or ART 242. Introduction to screen printing techniques and history. Blockout, resist, reduction and lacquer film. Six studio hours per week.

ART 237. Beginning Lithography (3) Prerequisites: ART 233 or 235. Introduction to the history, chemistry, and technique of stone lithography. Crayon drawing, tusche wash, rubbing crayon, and maniere noire. Six studio hours per week.

ART 242. Beginning Painting (3) Fundamentals of painting, investigating the medium of acrylics with emphasis on perceptual and conceptual processes. Six studio hours each week.

ART 251, 252. Beginning Sculpture (3,3) Prerequisite: ART 102 or consent of instructor. Three-dimensional form in clay and plaster; basics of modeling and casting abstract and life forms. One lecture and six studio hours each week.

ART 301. Ancient Greek Art (3) Prerequisite: ART 201. A study of the art of the Aegean and ancient Greece, from 3000 B.C. to the first century B.C. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.

ART 302. Ancient Roman Art (3) Prerequisite: ART 201. A study of the art of Etruria and Rome from the sixth century B.C. to 350 A.D. Emphasis on architecture, painting, and sculpture as related to ancient history and culture.

ART 303. Medieval Art (3) Prerequisite: ART 201. A study of European art from Early Christian times through the Gothic period in Europe. Emphasis on architecture, painting, sculpture, and graphics as related to medieval history and culture.

ART 304. Northern Renaissance Art (3) Prerequisite: ART 202. A study of the art in Northern Europe, exclusive of Italy, from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to the history and culture of the period.

ART 305. Italian Renaissance Art (3) Prerequisite: ART 202. A study of art in Italy from 1200 to 1600 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture of the period.

ART 306. Baroque and Roccoco Art (3) Prerequisite: ART 202. A study of European art from 1600 to 1750 A.D. Emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

ART 307. Nineteenth Century European Art (3) Prerequisite: ART 202. A study of nineteenth century European art with an emphasis on architecture, painting, sculpture, and graphics as related to European history and culture of the period.

ART 308. Twentieth Century Art (3) Prerequisite: ART 202. A study of art in Europe and the United States from 1900 to the present. Emphasis on architecture, painting, sculpture, graphics and other vehicles of artistic expression as related to history and culture of the period.

ART 309, 310. American Art (3,3) Prerequisite: ART 201, 202. ART 309: United States from first explorations to the Civil War. ART 310: United States from 1865 to World War II. A study of art in America exclusive of that produced by indigenous peoples. Emphasis on architecture, painting, sculpture, and graphics as related to history and culture.

ART 311. Intermediate Life Drawing (3) Prerequisite: ART 211, 212 or permission of instructor. Drawing from the model: structure, composition, development of personal expression. Six studio hours per week.

ART 312. Intermediate Life Drawing (3) Prerequisite: ART 211, 212, or permission of instructor. Drawing from the model: structure, anatomy, development of personal expression. Six studio hours per week.

ART 313. History of Architecture (3) Prerequisite: ART 201 or ART 202, or permission of the instructor. A survey of architecture from prehistoric times to the present day. Emphasis on interaction between individual creativity and historical circumstances that lead to memorable architecture as an expression of dominant political and social forces.

ART 314. The Art of Pastel (3) Prerequisite: ART 211 or 242. Historical survey and technical exploration of the soft pastel medium. Aesthetic issues; pigment properties; application and preservation methods. Two lecture and two studio hours each week.

ART 321, 322. Intermediate Ceramics (3,3) Prerequisite: ART 221 or consent of instructor. Further exploration of three-dimensional forms and design in manipulation of clay and glazes; basics of kiln construction and chemistry of glazes. One lecture and six studio hours each week.

ART 333. Intermediate Intaglio and Relief (3) Prerequisite: ART 233. Further exploration of relief and intaglio processes. Color reduction woodcut, wood engraving, large-scale monotype, copper engraving, mezzotint, multi-plate color intaglio. Six studio hours per week.

ART 335. Intermediate Serigraphy (3) Prerequisite: ART 235. Further exploration of screen printing processes. Photo-serigraphy, photo-montage, and large-scale prints. Six studio hours per week.

ART 337. Intermediate Lithography (3) Prerequisite: ART 237. Further exploration of hand lithographic processes. Multi-stone color, aluminum plate, acid tint, and copier toner. Six studio hours per week.

ART 339. Computer-Enhanced Printmaking (3) Prerequisite: ART 233 or 235 or 237. Use of image-manipulation software to enhance traditional printmaking processes. Posterization; photo montage; photo polymer intaglio and relief. Two lecture and two studio hours each week.

ART 341, 342. Intermediate Painting (3,3) Prerequisite: ART 242 or consent of instructor. Further investigation of materials and visual concepts, with attention to expanding the fundamentals of painting. Six studio hours each week.

ART 343. Figure Painting (3) Prerequisite: ART 211, 242, or consent of instructor. Oil and acrylic painting from the model. Investigates representational and abstract interpretations of the figure. Emphasizes spatial strategies, color, and paint application techniques. Six studio hours each week.

ART 351, 352. Intermediate Sculpture (3,3) Prerequisite: ART 251, 252, or consent of instructor. Three-dimensional form in plaster, ceramics and metals. One lecture and six studio hours each week.

ART 385. History of Printmaking (3) Prerequisite: ART 202 or 203. A survey of printed pictures from the 15th century to the present. Emphasis on the evolution of printmaking with specific attention to its practical applications, as well as its function as fine art.

ART 387. (ANT 387) Museum Studies (3) Prerequisite: Permission of instructor. A lecture course focusing on the philosophies and practical exigencies of management of a museum. The course involves actual experience at local museums under the supervision of the director, familiarity with museum policies, roles of the staff, and work within the major areas of museum operations of administration, exhibition and education.

ARTL 387. (ANTL 387) Museum Studies Practicum (1) Corequisite: ART 387 (ANT 387). Practicum includes exhibit installations, sales gallery operations, working with the permanent collection, and assessing and developing educational programs. Three hours each week.

ART 411. Advanced Life Drawing (3) Prerequisite: ART 311, 312 or permission of instructor. Drawing from the model: drawing as a finished product, exploration of drawing techniques. Six studio hours per week.

ART 412. Advanced Drawing (3) Prerequisite: ART 411 or permission of instructor. Drawing as finished product, exploration of drawing techniques. Six studio hours per week.

ART 413. Conceptual Drawing (3) Prerequisite: ART 211 or consent of instructor. Drawing as an idea-based aesthetic. Explores a variety of nontraditional media, and emphasizes development of personal approaches to contemporary drawing modes. Two lecture and two studio hours each week.

ART 421, 422. Advanced Ceramics (3,3) Prerequisite: ART 321, 322, or consent of instructor. Advanced study of pottery form and design with emphasis on kiln construction and theory; physical and chemical properties of clays and glazes including the empirical method of glaze calculation. One lecture and six studio hours each week.

ART 433. Advanced Intaglio and Relief (3) Prerequisite: ART 333. Advanced exploration of relief and intaglio processes and issues. Vitreography, photo-etching, large-scale prints, image cycles. Six studio hours per week.

ART 435. Advanced Serigraphy (3) Prerequisite: ART 335. Advanced exploration of screen printing processes and issues. Monoprints, mixed media, three-dimensional prints, large-scale prints, and image cycles. Six studio hours per week.

ART 437. Advanced Lithography (3) Prerequisite: ART 337. Advanced exploration of lithographic processes and issues. Waterless lithography, xerox transfer, mixed-media prints, monoprints, large-scale aluminum plate prints, and image cycles. Six studio hours per week.

ART 441, 442. Advanced Painting (3,3) Prerequisite: ART 342 or consent of instructor. Elaboration of conceptual, perceptual, and expressive painting modes with emphasis on individual development. Six studio hours each week.

ART 451, 452. Advanced Sculpture (3,3) Prerequisite: ART 351, 352, or consent of instructor. Continuation of study of form with emphasis on casting and welding of metals. One lecture and six studio hours each week.

ART 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

ART 495. Seminar In Art (1-3) Prerequisite: Junior standing. Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.

ART 498. Internship in Art (3 or 6) Prerequisite: Junior or senior standing, and permission of chair. Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

ART 499. Honors Work in Art (2-3) Prerequisite: Eligibility for Honors Program, and junior or senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p 151, 94.

Biological Sciences Course Descriptions

(Department of Biological Sciences)

BIO 105. Concepts of Modern Biology (4) An introduction to the diversity of life and the principles governing living systems, focusing on the role of humans in the natural world. This course employs multi-media instructional materials and is designed for the non-biology major. Three lecture hours and three laboratory/discussion hours each week.

BIO 108. Introduction to Clinical Laboratory Science (1) A survey of Clinical Laboratory Science (Medical Technology) as a career option. Explores the many disciplines encompassed by the profession including microbiology, chemistry, blood banking, and hematology as they apply to the medical diagnostic laboratory, as well as brief considerations of cytotechnology and histotechnology. The course includes a discussion of the nature and scope of necessary skills, opportunities for advancement, certification requirements, and visits to a hospital laboratory. One hour and 15 minutes each week.

BIO 109. Introduction to Conservation Biology (1) A seminar to acquaint students with conservation biology. Includes an overview of the discipline; current topics of interest; and an appraisal of the curriculum and career opportunities.

BIO 110, 205, 206. Core courses for biology majors.

BIO 110. Principles of Biology (4) Introduction to principles governing living systems, especially the cellular and molecular basis of life and the transmission and utilization of genetic information. Laboratory exercises reinforce concepts presented in lecture and introduce basic investigative skills and methods of biological inquiry. Designed primarily for biology majors. Three lecture and three laboratory hours each week.

BIO 205. Plant Biology (4) Prerequisite: BIO 110, EVS 195, or consent of instructor. Ecological and evolutionary principles emphasized in a phylogenetic survey of both vascular and non-vascular plant groups. Morphology and physiology of seed plants, stressing principles of adaptation and relationship with biotic and abiotic components of ecosystems. Three lecture and three laboratory hours each week.

BIO 206. Animal Biology (4) Prerequisite: BIO 110, EVS 195, or consent of instructor. Evolution, classification and diversity of animals, and structure and functions of major body systems, especially of humans. Three lecture and three laboratory hours each week.

BIO 234. Humans and Ecology (3) An introduction to the principles of ecology including concepts of succession, biotic communities, biodiversity, limits on population growth and conservation of natural resources.

BIO 235, 236, 237, 238. Elective courses primarily for non-major students, emphasizing "man in the natural world;" two or more to be offered each semester.

BIO 235. Genetics in Human Affairs (3) A discussion of basic principles of genetics for non-majors or majors with the ultimate goal of developing an understanding of the relationship of genetics to the society of today and its possible influence on the future of man. A survey of current knowledge of the inheritance of human traits is included.

BIO 236. Biology of the Sea (3) An introduction to marine environments, the diversity of marine life and the role of man in the utilization of marine resources. Students will become acquainted with local marine habitats, including: salt marshes, sandy beaches, tidal flats and rocky shores.

BIO 237. Plants and the Environment (3) An introduction to the plant kingdom through study of plant diversity, structure, and function as they relate to environmental issues such as global carbon balance, deforestation, agricultural runoff, and the effects of the introduction of genetically engineered plants. The impact of plants on human culture, history, civilization, and economics.

BIO 238. Microbes and Human Society (3) An introduction to the world of the microorganism, focusing on the diversity, structure and function of microbial life, the spread and control of disease-producing organisms, and the impact of these life forms on human culture, history, and civilization.

BIO 240-241. Human Anatomy and Physiology (4-4) A comprehensive introduction to the anatomy and physiology of the human organism. Organ systems of the body are discussed individually and as parts of interacting groups, with emphasis on the processes which maintain an internal steady-state. Three lecture and three laboratory hours each week.

BIO 246. Microbiology of Human Diseases (4) Prerequisite: BIO 240. An introduction to the biology of microorganisms which affect humans. Emphasizes pathogenic and related microorganisms. The basic microbiological techniques needed to isolate, identify and control microorganisms will be covered. Three lecture and four laboratory hours each week.

BIO 315. Comparative Vertebrate Anatomy (4) Prerequisite: BIO 206. Comparative morphology and phylogenetic interrelationships of vertebrate animals; representative organisms dissected in laboratory. Three lecture and three laboratory hours each week.

BIO 316. Vertebrate Embryology (4) Prerequisite: BIO 206. Fundamental principles of embryonic development of vertebrate animals; frog, chick, and pig emphasized. Three lecture and three laboratory hours each week.

BIO 320. Immunology (3) Prerequisite: BIO 110. An introduction to the basic principles of immunology, including the normal immune response and consequences of immune dysfunction. Autoimmunity, immunodeficiencies including AIDS, and hypersensitivities are included.

BIO 335. Genetics (3) Prerequisite: BIO 110. Principles of Mendelian heredity, linkage, mutation, population genetics, and gene action.

BIOL 335. Genetics Laboratory (1) Corequisite: BIO 335. Demonstration of basic heredity principles through study of Drosophila and other genetic systems. Three laboratory hours each week.

BIO 345. Animal Physiology (3) Prerequisite: BIO 110 and CHM 102. Comparative study of physiological processes in different organisms approached through study of tissues, organs, and systems. Three lecture hours each week.

BIOL 345. Animal Physiology Laboratory (1) Prerequisite or corequisite: BIO 345. Introduction to the equipment and techniques for computer-based acquisition of physiological data. Experience in data analysis and presentation, and in computer simulations of physiological experiments is also included. Three laboratory hours each week.

BIO 347. Molecular Biology of the Cell (3) Prerequisite: BIO 110 and CHM 211. Chemical and physical properties of cells. Emphasis on molecular biology and experimental biological systems used to elucidate cellular function.

BIOL 347. Molecular Biology of Cell Laboratory (1) Prerequisite or corequisite: BIO 347. Experiments demonstrating basic phenomena underlying cellular function. Three laboratory hours each week.

BIO 355. Plant Physiology (4) Prerequisite: BIO 110 and CHM 102. A study of plant function at the molecular, cellular, and organismic levels. Emphasis placed on unique aspects of vascular plants. Topics include water relations, solute transport, photosynthesis, nitrogen metabolism, plant hormones, photo control of development, and stress physiology. Three lecture and three laboratory hours each week.

BIO 356. Vertebrate Natural History (4) Prerequisite: BIO 206. Identification, classification, and life histories of common vertebrate animals of eastern North Carolina with emphasis on field work. Two lecture and four laboratory hours each week.

BIO 358. Marine Mammals (3) Prerequisite: BIO 206. Study of pinnipeds, cetaceans, and sirenians, emphasizing their evolution and taxonomic relationships, anatomical and physiological adaptations, ecologic and economic importance, and natural history.

BIO 362. Marine Biology (4) Prerequisite: BIO 205 and 206. The coastal and oceanic biota and their relationship to the marine environment. Three lecture and four laboratory hours each week.

BIO 364. Ecology of North America (3) Prerequisite: Junior status. Overview of the biomes and principal biotic communities of North America, including the conservation issues peculiar to each.

BIO 365. Invertebrate Zoology (4) Prerequisite: BIO 206. Invertebrate organisms with emphasis on structure, function, taxonomy, phylogeny, and life histories. Three lecture and three laboratory hours each week.

BIO 366. Ecology (3) Prerequisite: BIO 205 and 206. An introduction to basic ecological principles as they pertain to individual organisms, populations, communities and systems. Three lecture hours each week.

BIOL 366. Ecology Laboratory (1) Prerequisite or corequisite: BIO 366. Introduction to ecological sampling techniques and data analysis. Experience in field sampling, laboratory and computer modeling of sampling approaches, and scientific writing is also included. Three laboratory hours each week.

BIO 371. Human Fungal Diseases (1) Prerequisite: BIO 110. An in-depth consideration of human mycotic diseases for medical technology, nursing and premedical students. Emphasis will be placed on etiology, predisposing conditions, clinical diagnosis, immunology, serology and therapy of most presently recognized human mycoses.

BIO 375. Plant Morphology (4) Prerequisite: BIO 205. Morphological survey of algae, fungi, bryophytes, lower vascular plants, and seed plants, with emphasis on life histories, structure, and development. Three lecture and three laboratory hours each week.

BIO 377. Mycology (3) Prerequisite: BIO 110. Taxonomy, physiology and morphology of fungi with emphasis on their life strategies and roles in the ecosystem. Also includes an in-depth consideration of human pathogenic fungi.

BIOL 377. Mycology Laboratory (1) Prerequisite or corequisite: BIO 377. A hands-on survey of all major taxa of the fungal kingdom and its protistan allies via macroscopic and microscopic observations as well as field trips. Emphasis will be placed on the role of fungi in the environment. Three laboratory hours each week.

BIO 410. (512) Electron Microscopy and Cell Ultrastructure (3) Prerequisite: BIO 347. A discussion of the general and specialized techniques of transmission and scanning electron microscopy and their application to the elucidation of the structure and function of cell organelles in plants and animals.

BIOL 410. (512) Electron Microscopy Laboratory (1) Corequisite: BIO 410 and permission of instructor. Techniques for fixing, embedding, and thin sectioning of tissues will be demonstrated. Students will prepare a material of choice for observation and analysis and examine the prepared material with the electron microscope. Three laboratory hours each week.

BIO 415. (520) Vertebrate Histology (4) Prerequisite: BIO 206. An introduction to the cytology and morphology of vertebrate cells and tissues, including examination of the four major histological tissues: epithelium, connective tissue, muscle, and nerve. Other topics include the techniques and instrumentation of light microscopy and selected methods of sectioning, fixation, and staining of tissues. Student project required. Three lecture and three laboratory hours each week.

BIO 420. (541) Pathophysiology (3) Prerequisite: Permission of the instructor. Survey of the physiologic and biologic manifestations of disease, emphasizing how alterations in structure and/or function disrupt the human body as a whole. Overall mechanisms of disease are introduced and described to allow coverage of specific diseases within each system.

BIO 425. (524) Microbiology (4) Prerequisite: BIO 110 and junior status. Study of nonpathogenic and pathogenic microorganisms with emphasis on the biology of viruses and bacteria. Laboratory sessions include techniques required to identify, culture and stain selected microorganisms. Three lecture and four laboratory hours each week.

BIO 430. (529) (ANT 430) Evolutionary Biology (3) Prerequisite: BIO 335. Advanced survey of organizational principles of the genetic apparatus of prokaryotes and eukaryotes. Emphasis of the course directed to critical evaluation of current concepts and models of evolutionary dynamics using relevant illustrative examples from the literature.

BIO 434. Advanced Ecology of Marine and Coastal Communities (3) Prerequisite: BIO 366. An in-depth study of the major processes controlling populations and structuring communities. Emphasis is on the review and discussion of historically important and pertinent recent scientific papers. Three hours each week.

BIO 435. (535) Molecular Genetics (3) Prerequisite: CHM 102, BIO 335 and 347 or 465. An overview of current understanding of the nature, function, and control of genes. Topics include the nature of genetic information; the sequence organization and packaging of the eucaryotic genome; DNA, RNA, and protein synthesis; recombinant DNA technology; RNA processing; transposable genetic elements; and antibody diversity, synthesis, and function.

BIO 436. (536) Recombinant DNA Techniques (4) Prerequisite: One of the following: BIO 335, 347, or 465. Basic principles and techniques of gene cloning using three major types of cloning vectors; lambda phage, plasmids, and the single stranded DNA phage M13. Provides hands-on experience in recombinant DNA methology. Three lecture and three laboratory hours each week.

BIO 440. (544) Developmental Biology (4) Prerequisite: BIO 335. Concepts of mechanism and control during embryo development and morphogenesis. Topics include differential gene activity, hormones and other growth substances, and cell surface phenomena. Current primary research literature is stressed. Three lecture and three laboratory hours each week.

BIO 445. (545) Marine Physiology (4) Prerequisite: BIO 365. Introduction to physiological system characteristic of marine vertebrates and invertebrates. Emphasis on the mechanisms underlying osmoregulation, respiration, temperature regulation, digestion, and movement. Three lecture and three laboratory hours each week.

BIO 446. (571) Phycology (4) Prerequisite: BIO 205. An introductors survey of algal groups including benthic, planktonic, freshwater and marine representatives in local environments. Morphology, life histories, and ecology are emphasized. Collection and preservation techniques are demonstrated. Three lecture and three laboratory hours each week.

BIO 447. Marine Botany (4) Prerequisite: BIO 205 or equivalent. An introduction to coastal marine plant communities, including how the marine environment affects plant community dynamics. Topic areas will include: Classification and identification, morphology, physiological ecology, importance to humans, and current hot topics. Three lecture and three laboratory hours each week.

BIO 452. (554) Mammalogy (4) Prerequisite: BIO 206. Study of mammals, emphasizing their evolution, taxonomic relationships, structural and physiological adaption, and life histories. Laboratory sessions will include collection, identification, and preparation of specimens and observations of mammals in the field. Three lecture and three laboratory hours each week.

BIO 454. (557) Herpetology (4) Prerequisite: BIO 206. Study of the biology of amphibians and reptiles of the world. Natural history, ecology, morphology, and taxonomic relationships are stressed. Three lecture and three laboratory hours each week.

BIO 456. (556) Ornithology (4) Prerequisite: BIO 206. An introduction to the life of birds. Emphasis will be on the identification, classification, evolution, ecology, and life histories of the birds of North Carolina. Three lecture and three laboratory hours each week.

BIO 457. (537) Ichthyology (4) Prerequisite: BIO 206. A survey of systematics, evolution, ecology, and natural history of living fishes, with emphasis on southeastern USA. Three lecture hours each week.

BIOL 457. (537) Ichthyology Laboratory (1) Prerequisite or corequisite: BIO 457. Demonstration of basic anatomy, taxonomy, and natural history of local species in laboratory and field environments. Three laboratory hours each week.

BIO 458. (565) Fisheries Biology (4) Prerequisite: BIO 457, one course in statistics, and consent of instructor. Advanced studies in the biology of fishes. Such topics as age, growth, foods, parasites, population dynamics, reproduction, migration and economic pressures are covered. A technical report on the biology of a fish species is required. Three lecture and three laboratory hours each week.

BIO 459. (559) Endocrinology (3) Prerequisites: BIO 206 and CHM 212. A survey of the biochemistry, physiology and anatomy of the endocrine system of vertebrates and selected invertebrates. Steroid, peptide, and terpenoid hormones which control reproduction, growth and other parameters will be discussed.

BIO 460. (567) Limnology (3) Prerequisite: BIO 110 and CHM 102 and junior status. Corequisite: BIOL 460. An examination of the physical, chemical, and biological characteristics of freshwater systems, particularly lakes and ponds. Three lecture hours each week.

BIOL 460. (567) Limnology Laboratory (1) Prerequisite: BIO 110 and CHM 102 and junior status; Corequisite: BIO 460 (567). Field and laboratory investigations of limnological problems with an emphasis on water quality. Three laboratory hours each week.

BIO 462. (552) Deep Sea Biology (3) Prerequisite: BIO 362. The deep sea biosphere, with emphasis on the biology of abyssal zones off the North Carolina coast and hydrothermal vent ecosystems. Topics include unique benthic and pelagic animals in deep sea environments and their physiological adaptations to hydrostatic pressure and low temperature, nutritional dynamics, reproductive strategies, energy flow, and speciation in abyssal and ultra abyssal zones.

BIO 465. (540) Biochemistry (3) Prerequisite: BIO 110 and CHM 211 and junior status. Chemical properties and metabolism of amino acids, proteins, carbohydrates, lipids, and nucleic acids; enzymes kinetics; bioenergetics regulatory mechanisms.

BIOL 465. (540) Biochemistry Laboratory (1) Corequisite: BIO 465. Experiments demonstrating basic phenomena and techniques of biochemistry. Three laboratory hours each week.

BIO 466. Conservation Biology (3) Prerequisite: BIO 335, 366, and an additional 17 hours in biology. Island biogeography, threats to biodiversity; population ecology and genetics; and other concepts associated with the preservation of species and ecosystems.

BIO 468. (570) Planktonology (4) Prerequisite: BIO 365 or consent of instructor. Classification, physiology, and ecology of phytoplankton and zooplankton. Discussion of current topics in plankton biology. Two lecture and four laboratory hours each week.

BIO 470. Ecology of Human Populations (3) Prerequisite: BIO 345, 366. A study of man's adaptation to diverse world environments utilizing geological, physiological, and ecological principles.

BIO 472. (572) Marine Phycology (4) Prerequisite: BIO 205. An introduction to the morphology, life histories, and ecology of benthic marine algae with emphasis on special topics such as morphogenesis, ecotypic variation and speciation, phytogeography, or seasonal periodicity of growth and reproduction. Three lecture and three laboratory hours each week.

BIO 474. (576) Comparative Morphology of Vascular Plants (4) Prerequisite: BIO 205. An in-depth study of the major groups of vascular plants with emphasis on structure, life histories, development, and phylogeny. Three lecture and three laboratory hours each week.

BIO 475. (574) Plant Taxonomy (4) Prerequisite: BIO 205. An introduction to identification, classification, and nomenclature of vascular plants with emphasis on the flora of southeastern North Carolina. Two lecture and four laboratory hours each week.

BIO 478. Global Environmental Problems (3) Prerequisite: BIO 110 or CHM 102 or EVS 195 and junior status. Review and discussion of causes and effects of major environmental problems, with emphasis on ecosystem-level effects and interactions. Topics include extinction, deforestation, climate change, pollution impacts.

BIO 480. (580) Field Studies in Biology (1-6) Prerequisite: BIO 205, 206, and consent of instructor (BIO 366 and credit in advanced zoology or botany recommended). A research/experience-oriented field course offered in selected regional locales. Emphasis is placed on distribution, taxonomy, and ecology of animal and/or plant organisms.

BIO 481. (559) Marine Invertebrate Zoology (4) Prerequisite: BIO 205 and 206. A field oriented course that provides in-depth ecological and taxonomic treatment of selected invertebrate groups. Three lecture and three laboratory hours each week.

BIO 482. (582) Wildlife Ecology (3) Prerequisite: six hours of biology courses. Principles of wildlife ecology and management, including population dynamics, diseases, techniques, behavior, habitat manipulations, policy and administration, and contemporary issues such as antihunting. Assigned field problems.

BIO 483. (583) Biology of Crustaceans (3) Prerequisites: BIO 206 and BIO 366. A survey of the crustaceans to include: anatomy, taxonomy, physiology, behavior, and diversity. Lectures will focus on basic crustacean biology for both economically important species and those animals frequently used in biological research.

BIOL 483. (583) Biology of Crustaceans Laboratory (1) Corequisite: BIO 483. Demonstration of basic internal and external anatomy, taxonomy, and natural history. Modern methods for measurement of molt cycle and reproduction. Field trips to local environments.

BIO 485. (585) Special Topics in Advanced Biology (1-6) Designed to deal with selected topics not considered in detail in regular course offerings. More than one topic may be taken for credit.

BIO 487. (587) (GLY 458/558) Introduction to Coastal Management (4) Prerequisites: Junior standing or consent of instructors. Interdisciplinary study of human impact on coastal environments and organisms. Physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems. Three lectures and three laboratory hours each week.

BIO 488. (588) Forensic Environmental Science (3) Prerequisite: CHM 102 or equivalent and junior status. Presentation and practice of the techniques for applying scientific methods, investigative procedures, legal standards of evidence, and case preparation techniques to investigation of environmental problems. Three lecture hours each week.

BIO 490. (590) Biomechanics (4) Prerequisite: BIO 206. A study of the interactions of organisms with their physical environment. Concepts from fluid and solid mechanics are applied to biological form and function. Three lecture and three lab hours each week.

BIO 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

BIO 495. Seminar (1-3) Prerequisite: Junior or senior standing and consent of instructor. Individual reports and group discussions of the results of student field, laboratory and/or library research on selected topics in biology. May be repeated for a maximum of three semester hours.

BIO 499. Honors Work in Biology (2-3) Prerequisite: Second semester junior or senior standing. Independent study for honor students.

For 292 and 492; 294 and 494 see explanations, on p. 151, 94.

Business Law Course Descriptions

(Department of Accountancy and Business Law)

BLA 261. Law and Society (3) Prerequisite: For nonbusiness majors only. Study of the American Legal System and how the legal system affects the rights and activities of individuals. Examines and distinguishes the civil law system and the criminal law system. Topics also include Tort Law, Contract Law, Property Law, Constitutional Law, Antitrust law, Copyright Law, and International Law.

BLA 361. Legal Environment of Business (3) Prerequisite: Junior or senior standing. Study of the organization and role of business enterprises in society and their relationships in government. Examines how the legal environment is influenced by changing social and ethical values. Topics include agency, antitrust, forms of business organization, environmental regulation, equal opportunity, labor law, product liability, and property rights.

BLA 362. (EVS 362) Environmental Law (3) An examination of the purposes, methodology, and impacts of the environmental regulatory process, ranging from the traditional common law remedies to novel approaches such as the pollution rights markets. Students will gain a fundamental understanding of the context of environmental law.

BLA 461. Commercial Law (3) Prerequisite: Junior or senior standing. Study of the commercial legal environment in which business enterprises operate. Examines the law of contracts, sales and warranties, security interests, commercial paper, and debtor and creditor rights.

BLA 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

BLA 495. Senior Seminar in Business Law (3) Prerequisite: BLA 361 and senior standing. Special topics in accountancy not regularly addressed in other courses in business law.

BLA 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Business Course Descriptions

(Department of Management and Marketing)

BUS 150. Introduction to Business (3) A survey of the essential business processes required to compete effectively in today's global market. Business issues, decisions and practices facing managers in this dynamic marketplace are examined. Contemporary issues challenging businesses are integrated into the course as well. Themes stressed throughout the course are: competing in a global market, social responsibility, ethical business practices and career opportunities. (Not available for credit to students enrolled in the Cameron School of Business.)

BUS 498. Internship in Business (1-6) Prerequisite: Senior standing and consent of faculty supervisor. Involves the application of business concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

Chemistry Course Descriptions

(Department of Chemistry)

CHM 101. General Chemistry (4) Corequisite: MAT 111 or 115. Overview of the fundamental laws, principles and atheories of chemistry; introduction to the techniques and equipment used in the chemical laboratory; interpretation of experimental results.

CHM 102. General Chemistry (4) Prerequisite: CHM 101. Corequisite: MAT 112 or MAT 115. In depth study of the fundamental laws, principles and theories of chemistry. Introduction to techniques and equipment used in technical laboratory. Interpretation of experimental results.

CHM 103. Chemistry in Everyday Life (4) A terminal, relatively non-mathematical one-semester course in chemistry for the nonscience major. Topics include atomic and molecular structure as a basis for a general understanding of chemical reactions, drug activity, cancer, nuclear power, pesticides, environmental problems, energy resources, food additives, and the chemical industry. Three lecture and three laboratory/discussion hours each week. May not be taken for credit after CHM 102 has been passed.

CHM 211-212. Organic Chemistry (3-3) Prerequisite: CHM 102 and CHML 102. Introduction to the chemistry of carbon compounds, including structural theory, synthesis, and reaction mechanisms. Normally taken concurrently with CHML 211-212.

CHML 211-212. Organic Chemistry Laboratory (1,1) Prerequisite or corequisite: CHM 211-212. Three laboratory hours each week.

CHM 215. Fundamentals of Organic and Biological Chemistry (3) Prerequisite: CHM 101 and CHML 101. A one-semester study of organic and biological chemistry. Topics include carboxylic acids, esters, amines , amides, carbohydrates, lipids, proteins, nucleic acids, nutrition, enzymes, hormones, neurotransmitters , and intermediary metabolism.

CHML 215. Laboratory for Fundamentals of Organic and Biological Chemistry (1) Corequisite: CHM 215. Introduction to equipment and techniques of organic and biological chemistry and interpretation of experimental results. Three laboratory hours each week.

CHM 235. Quantitative Analysis (2) Prerequisite: CHM 102, CHML 102. Prerequisite or corequisite: CHM 255. Theory of (a) gravimetric and volumetric analysis, (b) instrumental techniques, and sampling, sample preparation, and monitoring of air, water, etc. Normally taken concurrently with Quantitative Analysis Laboratory.

CHML 235. Quantitative Analysis Laboratory (2) Prerequisite or corequisite: CHM 235. Four laboratory hours each week.

CHM 255. Introduction to Computer Applications and Chemical Literature (3) Prerequisite or corequisite: CHM 211. Microcomputer applications in chemistry, including an introduction to microcomputer design, peripherals, applications, communications, and instrument interfacing. Organization of the chemical literature, literature search by traditional and computer methods, and data retrieval. (No computer experience required. Intended for students who will be taking CHM 235 or 321).

CHM 312. Advanced Techniques of Organic Chemistry (2) Prerequisite: CHM 212. Theory and practice of chromatographic methods of separation and spectroscopic methods of identification. Normally taken concurrently with CHML 312.

CHML 312. Advanced Techniques of Organic Chemistry Laboratory (2) Prerequisite or corequisite: CHM 212. Four laboratory hours each week.

CHM 321. Fundamentals of Physical Chemistry (4) Prerequisite: CHM 102, 255 or equivalent, PHY 202. An overview of topics in physical chemistry stressing fundamental concepts in thermodynamics, kinetics and quantum mechanics.

CHML 321. Physical Chemistry Laboratory (1) Prerequisite or corequisite: CHM 321. Three laboratory hours each week.

CHM 377. Environmental Chemistry (3) Prerequisite: CHM 102. Introduction to the chemistry of air, soil, and natural waters. Processes of environmental degradation, cleanup, and pollution prevention. Selected current topics.

CHML 377. Environmental Chemistry Laboratory (1) Corequisite: CHM 377. Laboratory analysis of environmental samples, including applications of standard EPA methods. Three laboratory hours each week.

CHM 415. (515) Physical Organic Chemistry (3) Prerequisite: CHM 212. Theoretical and physical organic chemistry, including chemical bonding, stereochemistry and conformational analysis with applications to selected reaction mechanisms.

CHM 417. (517) Medicinal Chemistry (3) Prerequisite: CHM 212. Systematic study of the chemistry, as well as the biological activity of hormones, vitamins, drugs affecting the nervous system, and other miscellaneous agents. Prior CHM 415 or CHM 465 is recommended. Spring 1994 and alternate years.

CHM 419. (CHM 519) Neurochemistry (3) Prerequisite: CHM 212 or permission of the instructor. An examination of the organic, biochemical and molecular bases of neurotransmitter and drug action. The chemical architecture of brain function, receptor mechanisms, neuropharmacology and drug action on excitable tissue.

CHM 420. (520) Quantum Mechanics (3) Prerequisite: CHM 321. The study of quantum mechanics, including the quantum mechanical description of chemical bonding, molecular orbital theory, and the quantum mechanical basis of microwave, IR and UV spectroscopies.

CHML 420. Physical Chemistry Laboratory II (1) Prerequisite or corequisite: CHM 420. Three laboratory hours each week.

CHM 435. (535) Analytical Chemistry (2) Prerequisite: CHM 235, 312, 321, and CHML 235 and CHML 321. Corequisite: CHML 435. Theory and application of modern analytical instrumentation and techniques.

CHML 435. (535) Analytical Chemistry Laboratory (2) Corequisite: CHM 435. Four laboratory hours each week.

CHM 445. Inorganic Chemistry (3) Prerequisite: CHM 321. Study of periodic relationships: crystal lattice theory; transition metals and ions; crystal field theory; organometallic structures and reactions; and reaction mechanisms.

CHML 445. Inorganic Synthesis (1) Prerequisite or corequisite: CHM 445. Synthesis and techniques in inorganic chemistry. Normally taken concurrently with CHM 445. Three laboratory hours each week.

CHM 465-466. (565-566) Biochemistry (3-3) Prerequisite: BIO 110, CHM 212 and 321. The structures of macromolecules, amino acids, and vitamins, and the chemical principles of governing their activities. Solution properties of macromolecules, enzyme kinetics and mechanisms, and metabolism, emphasizing organic/physical chemistry. Biosynthesis of macromolecules. Chemistry and enzymology of nucleic acids.

CHM 467. (567) Biochemical Techniques and Instrumentation (2) Corequisite: CHM 466 or equivalent. Theory and practice of advanced biochemical techniques. Topics may include buffer and reagent preparation, protein assay, protein purification, electrophoresis, enzyme kinetics, vesicle construction, DNA isolation, and molecular visualization and modeling. Four hours each week.

CHM 475. (575) Chemical Oceanography (3) Prerequisite: CHM 235 and CHML 235. Sources, distribution, forms of occurrence, and reactions of chemical species in seawater. This course will emphasize estuarine reactions, dynamic equilibria, air-seawater and sediment-seawater reactions, and human impact on the oceans. Prior GLY 150 is recommended.

CHM 478. (578) Aquatic Toxicology (3) Prerequisite: CHM 212. Topics in aquatic toxicology, including toxicity testing; transport, transformation and ultimate distribution and fate of chemicals in the aquatic environment; and the performance of hazard risk assessments on aquatic ecosystems exposed to chemical insult.

CHM 485. (585) Industrial and Polymer Chemistry (3) Prerequisites: CHM 211-212 and 321. Properties, synthesis, and reactions of major industrial chemicals; synthetic plastics, polyesters, polyamides, and rubbers; soaps and detergents; petrochemicals; paints and pigments; dyes; explosives; pulp and paper; pharmaceutical and nuclear industries; mechanism of polymerization, copolymerization; physical and chemical properties of polymers; polymer characterization; advances in polymer technology.

CHM 490. (590) Special Topics in Chemistry (1-3) Prerequisite: Junior or senior standing and consent of instructor. Selected topics in chemistry that are beyond the scope of regular course offerings. May be repeated once under a different subtitle.

CHM 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

CHM 495. Senior Seminar (1-3) Prerequisite: CHM 255 and 25 semester hours of chemistry courses. Discussion of selected topics. One hour each week.

CHM 498. Internship in Chemistry (3-12) Prerequisite: CHM 212, CHML 212, CHM 235 and CHML 235; junior or senior standing in chemistry; consent of instructor; and GPA of at least 2.80 in chemistry. Practical field experience and academic training related to the student's principal area of interest through a program of work and study within a business or agency. Student is supervised and evaluated jointly by a chemistry faculty member and an on-site supervisor. (Only three hours may count toward a major in chemistry.)

CHM 499. Honors work in Chemistry (2-3) Prerequisite: Second semester junior or senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 151, 94.

Classical Studies Course Descriptions

(Department of Foreign Languages and Literatures)

CLA 209. (ENG 209) Classical Literature in Translation: Topics (3) Prerequisite: ENG 102. Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.

CLA 210. (ENG 210) Mythology (3) Prerequisite: ENG 102. The major mythological systems of Western society—Greek, Roman and Norse. Mythology of other parts of the world and related material are also considered.

CLA 330. Women in Ancient Greece and Rome (3) Prerequisite: Sophomore standing. Women in ancient Greece and Rome through documentary, artistic and literary sources. Women's economy and community, medical issues, slavery, religion, construction of gender roles, and images of heroines in literature and the arts

CLA 345. (ENG 345) Topics in Mythology (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. The study of a selected theme in world mythologies. Content varies from semester to semester. May be repeated once under a different subtitle.

CLA 491. Directed Individual Study (1-3): Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult Directed Individual Studies section in this catalogue.

Clinical Laboratory Sciences Course Descriptions

(Department of Biological Sciences)

CLS 401. Immunology-Serology (2) A study of the innate and adaptive immune response mechanisms in the body and the laboratory methods used to evaluate these responses. Special emphasis on serological techniques.

CLS 405. Hematology (8) A study of the formation, morphology, and functions of human blood cells, primary and secondary hematological diseases and clinical laboratory tests for diagnosing them; hemostasis and the evaluation of clotting disorders.

CLS 407. Immunohematology (4) A study of the clinical transfusion service, including collection and handling of donor blood and its components, blood typing, compatibility testing between donor and recipient blood and between maternal and fetal blood, and identification of factors responsible for incompatibilities.

CLS 412. Clinical Microbiology (8) A study of the medically important bacteria, fungi, viruses, parasites, and associated infectious diseases; special emphasis on the study of appropriate clinical specimens for isolation and identification of microorganisms involved in the infectious process and on testing these isolates for antibiotic susceptibility.

CLS 414. Clinical Microscopy (2) Chemical and microscopic study of urine and other body fluids in health and disease, microscopic analysis of urinary sediment, and study of renal physiology.

CLS 420. Clinical Chemistry (8-10) Study of the biochemical analyses of blood and other body fluids to evaluate the enzymes, hormones, electrolytes, drugs, and other important chemicals in the body; use and maintenance of sophisticated instrumentation and quality control.

CLS 490. Special Topics in the Clinical Laboratory Sciences (1-2)

Communication Studies Course Descriptions

(Department of Communication Studies)

COM 105. Introduction to Communication Studies (3) Introduction to the study of human communication. Topics include communication theory, interpersonal communication, small group and organizational communication, public communication, mass communication and intercultural communication.

COM 110. Public Speaking (3) Preparation and presentation of public speeches, with emphasis in analysis, reasoning, organization, evidence, and delivery.

COM 116. Performance of Literature (3) Analysis of poetry, prose, and drama through the medium of oral performance; literary selection, dramatic analysis, characterization, and other performance strategies.

COM 200. Research Methods (3) Research methods in communication studies including laboratory and field experiments, surveys, data analysis, textual analysis, and ethnography.

COM 210. Performance of Children's Literature (3) Principles of performance and analysis of children's literature, with special emphasis on prose and poetry for younger children. Traditional folk tales, picture books, and contemporary poetry are stressed.

COM 211. Storytelling (3) An introduction to the study and communication of stories and the artistic practice of storytelling; specific attention to personal stories, traditional folk and fairy tales, and North Carolina regional tales.

COM 216. Storytelling in the Community (2) Prerequisite: COM 116 or COM 211, and consent of instructor. Storytelling in real-life contexts with an emphasis on performing for elementary school children; theoretical foundations of performance strategies for participatory storytelling; audience-adaptation storytelling techniques. May be repeated for credit up to eight hours. (A maximum of four hours may be used toward major degree requirements.) Three contact hours per week.

COM 220. Interpersonal Communication (3) This course focuses upon the communication process in face-to-face situations. It is designed to improve the everyday communication skills of the student through a greater understanding of the interpersonal process. Emphasis is placed upon the development of interviewing techniques, information acquisition and persuasive dialogues.

COM 221. Small-Group Communication (3) Theory and practice of small-group communication. Emphasis on learning how to work effectively in groups and how to manage group decision-making and problem-solving.

COM 222. Critical Listening (3) Prerequisite: COM 105. Study of listening as a communication activity with emphasis on theory and research.

COM 223. Mediation and Conflict Management (3) Mediation in both theoretical and practical contexts. Mediation skills for use in private and public settings, including the alternative dispute resolution methods of negotiation, arbitration, and litigation. Emphasis on the relations between mediation centers and the North Carolina court systems.

COM 230. Voice and Diction (3) Principles and use of the voice exercises in vocal variety, articulation and pronunciation.

COM 265. Survey of Mass Communication (3) Examination of mass communication focusing on the development, functions, theoretical foundations, and effects of mass media on individuals, society, and culture.

COM 268. Broadcast Journalism (3) Prerequisite: ENG 102. Principles and basic skills in writing for the broadcast media; includes exercises inside and outside of classroom. Emphasis on broadcast news writing, news coverage, news editing, and news problems and potentials.

COM 270. Parliamentary Procedure (1) Principles and rules governing deliberative assemblies.

COM 275. The Art of Persuasive Speech (3) Power of speech as a tool to influence thought processes of others in both negative and positive ways.

COM 276. Argumentation and Debate (3) Principles of argumentation and style in their application to formal debate; practice in conventional debate form on current national intercollegiate debate resolution.

COM 280. Principles of Video Production (3) Prerequisite: COM 265 or consent of instructor. Technologies, processes, and aesthetics of video production in the broadcast and non-broadcast environments. Topics include: the diverse video industry, project planning, script writing conventions, audio and video theory, camera technique, editing, lighting, emerging digital technologies, and directing. Primarily theoretical in approach with limited practical experience.

COM 290. Rhetoric of Popular Culture (3) Analysis will focus upon an understanding of the various persuasive influences inherent in modern society. Area of emphasis will include analysis of persuasive appeals in advertising, music, art, movies, theatre, social movements, politics, literature, and sports.

COM 295. Seminar in Communication Studies (3) Special topics in communication that are not dealt with in other courses. This course may be repeated under a different subtitle.

COM 296. Cross-Cultural Communication and Aging (3) Prerequisite: COM 105 or COM 110 or consent of instructor. Comprehensive discussion and analysis of older Americans in various communicative contexts within the framework of their cultures. Contexts include technology, organizational settings, cross-generational communication, and popular culture.

COM 311. Communication and Leadership (3) Prerequisite: EDN 211 or consent of instructor. Theory and practice of leadership. Focuses on issues of cohesiveness, trust, motivation, vision, and goals. Development of conflict management and decision-making goals.

COM 316. Advanced Performance of Literature (3) Prerequisite: COM 116, or THR 230, or consent of instructor. Analysis of literature through advanced performance theory and skills; ways in which the expressive capacities of the performer's body, voice, and imagination are engaged with the aesthetic experience of contemporary literature; emphasis on contemporary performance theory, creative dramatics, character analysis and biography. (A one person show is required.)

COM 317. Screenwriting: Developing the Story (3) Prerequisite: ENG 102 or ENG 103. Story development, plot construction, and outlining the overall structure of a screenplay. Creating a proposal or treatment (like those presented to producers) that may be expanded into a screenplay in COM 318.

COM 318. (ENG 318) Screenwriting: Writing the Screenplay (3) Prerequisite: COM 317 or permission of instructor. Theory and practice of writing screenplays and documentary scripts for television and film. Includes writing original scripts.

COM 320. Performance of Southern Prose (3) Prerequisite: COM 116 or consent of instructor. Analysis and communication of humorous southern prose through its performance; the ways in which traditions associated with the southern culture are reflected in the works of writers such as Ferrol Sams, Clyde Edgerton, Eudora Welty, Florence King, and Flannery O'Connor; emphasis on intensive reading and advanced performance skills.

COM 325. Business and Professional Speaking (3) Prerequisite: COM 110. Public speaking skills in directed experiences especially related to speech communication tasks which accompany the role of a business or professional person. Topics include the delivery of briefings, manuscript speeches, conferences, interviewing, salesmanship, use of electronic extenders and visual aids.

COM 327. Organizational Communication (3) The study of communication in organizations: theories of communication and their applications to organizations.

COM 340. Communication Theory (3) Theoretical perspectives concerning how and why people communicate. Emphasis on a greater understanding of the human communication process.

COM 341. Rhetorical Theory (3) Introduction to the basic classical and contemporary theories of rhetoric from Plato through the present.

COM 345. Speech Writing (3) Prerequisite: ENG 102 and consent of instructor. The theory and practice of speech writing with special emphasis on writing speeches for others.

COM 360. Mass Media Research (3) Prerequisite: COM 265 or consent of instructor. Research techniques of the mass media through application of various methods to broadcast and print media, advertising, and public relations.

COM 365. Media Law (3) Prerequisite: COM 265, or 268, or consent of instructor. Survey of broadcast history, law, politics, and regulation with emphasis on the roles of the Federal Communications Commission, the White House, Congress, courts, citizen's groups, and the broadcast industry itself in creating and enforcing broadcast regulations.

COM 368. Advanced Broadcast Journalism (3) Prerequisite: COM 268. Broadcast journalism theories and techniques with emphasis on training and practice in long-form/feature reporting. Technical training in the operation of electronic news gathering equipment; refinement of news gathering; news writing; announcing; presentation, and delivery skills; in-depth analysis and discussion of journalistic ethics theories and cases; and a survey of important issues and cases in broadcast journalism.

COM 380. Field Video Production (4) Prerequisite: COM 280. Field video production theories and techniques including: analysis, planning, writing, and producing programs. Practical experience in field production includes camera operation, editing, audio, and lighting for a variety of production environments.

COM 390. Intercultural Communication (3) Prerequisite: COM 110 or consent of instructor. Theoretical and practical perspectives on communication effectiveness in dealing with people, groups, or organizations that are culturally different within and across national boundaries.

COM 391. Interracial Communication (3) Content and quality of interracial relationships. Communicative behaviors between Euro-and African-Americans and contextual dynamics unique to such interactions.

COM 392. Aging and Communication (3) Communicative behavior of the elderly within the contexts of friendship networks, health care systems, the work place and the family. Social forces that influence society's perceptions of the aging communicator.

COM 415. Experimental Theatre (3) Prerequisite: COM 116, or THR 355, or consent of instructor. Study of literature through principles of group performance; emphasis on nonrealistic forms of theatre, including Readers Theatre and Chamber Theatre; selection and adaption techniques, use of focus, and imaginative direction and staging of nondramatic literature. (Term project in directing is required.)

COM 421. Introduction to Communication for Public Relations (3) Prerequisite: Any of the following: COM 265, 268, 275, 327, 340, 365, 465 or ENG 202. Principles of public relations, with special emphasis on those theories and skills relevant to the communication functions of businesses and non-profit organizations.

COM 422. Advanced Communication for Public Relations (3) Prerequisite: COM 421 or consent of instructor. Application of public relations skills to the contemporary organization, with emphasis on public relations as a managerial communication system. Public relations campaign management, programming, implementation and evaluation are stressed.

COM 423. Negotiation (3) Prerequisite: COM 223. Theoretical and practical perspectives of negotiation. Emphasis on negotiating techniques for use in business and interpersonal relationships, especially on the differences between integrative and distributive bargaining.

COM 441. Rhetorical Criticism (3) Prerequisite: COM 341 or consent of instructor. Contemporary and traditional methods of criticizing public discourse. Topics include Neo-Aristotelian, Eclectic, Burkian, and Feminist approaches.

COM 445. Nonverbal Communication (3) Study of nonverbal behavior as a communication system with emphasis on theory and research. Topics include touch, eye contact, body language, paralanguage, and space.

COM 450. History of Rhetoric and Public Address (3) A survey of the development of rhetorical principles and style as evidenced by significant historical personalities and the literary genre of public address.

COM 465. Mass Communication in Society (3) Prerequisite: COM 265. A seminar encompassing the development of mass communications, the obligations of the press, radio and television, the government and the right to know, censorship, invasion of privacy and other effects of mass communications.

COM 467. Advertising in Mass Communication (3) Prerequisite: COM 265 or consent of instructor. Examination of advertising from theoretical and practical perspectives, which take into account its economic and social effects on contemporary society.

COM 485. Senior Project (3)

COM 490. Senior Seminar in Communication Studies (3) Prerequisite: Senior standing in communication studies. Study of major theoretical concerns in the field of communication studies. Research project required. Content varies with instructor. This course may be repeated under different subtitles.

COM 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

COM 495. Advanced Seminar in Communication Studies (3) Prerequisite: COM 110. Advanced special topics in communication that are not dealt with in other courses. This course may be repeated under a different subtitle.

COM 498. Internship in Communication Studies (3 or 6) Prerequisite: Permission of Communication Studies faculty and junior or senior status and GPA of at least 2.50. A program of work and study conducted within an agency or setting that provides practical experience with observation and applications of theoretical concepts in communication. (A maximum of 12 semester hours of internship credit may be counted toward graduation. Internship hours cannot be counted toward the communication studies degree requirements.)

COM 499. Honors Work in Communication (2-3) Prerequisite: Senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 151, 94.

Criminal Justice Course Descriptions

(Department of Sociology and Anthropology)

CRJ 105. Introduction to Criminal Justice (3) Study of criminal law and the criminal justice system in the U.S. Emphasis on structure and function of police, courts and corrections.

CRJ 110. Issues in Criminal Justice (3) Critical issues and contemporary debates in criminal justice.

CRJ 210. Police in Society (3) Prerequisite: CRJ 105. Analysis of role and behavior of police in the U.S. Special attention to social environment and political climate effecting the police.

CRJ 220. Criminal Courts (3) Prerequisite: CRJ 105. Analysis of structure and function of U.S. criminal courts. Examines relationships among the courthouse work-group (police, prosecutor, defense attorney, judge) and the role of witnesses, victims, defendants and jurors.

CRJ 230. Corrections (3) Prerequisite: CRJ 105. Study of societal patterns of punishment, alternatives to incarceration, consequences of imprisonment and correctional strategies of rehabilitation and deterrence.

CRJ 310. White Collar Crime (3) Prerequisite: CRJ 105. Study of crimes of the powerful and the privileged. Topics include: corporate crime; environmental crime; antitrust violations; political bribery; corruption; tax evasion; fraud; embezzlement; conflict of interest.

CRJ 315. Victimology (3) Prerequisite: CRJ 105. Role of victims in crime and criminal justice system. Special focus on sexual battery, battered women and child abuse.

CRJ 370. Minorities, Crime and Criminal Justice Policy (3) Prerequisite: CRJ 105 plus three additional hours in criminal justice. Study of minorities in crime and criminal justice system. Special focus on the role of racism and sexism in theories of crime and in administration of justice.

CRJ 380. Criminal Law and Procedure (3) Prerequisite: CRJ 105 plus three additional hours in criminal justice. Basic concepts of statutory and procedural law. Topics include: definition of crime; elements of major crimes; criminal responsibility; defenses to criminal charges; constitutional and statutory procedures regarding arrest, search and seizure, interrogation and suspect identification. Special focus on North Carolina law.

CRJ 390. Media, Crime, and Justice (3) Prerequisite: CRJ 105. Examination of the relationship between mass media, crime, and criminal justice with special emphasis on how media images affect crime and justice attitudes, ideology, and policy. Includes examination of entertainment and news media in both electronic and print forms

CRJ 405. Criminal Justice Administration (3) Prerequisite: CRJ 105 plus six additional hours in criminal justice. Concentration on management techniques and supervisory roles for various administrative segments of the criminal justice system.

CRJ 410. World Criminal Justice Systems (3) Prerequisite: CRJ 105 plus six additional hours in criminal justice. Comparative study of criminal justice systems throughout the world. Attention to historical, structural, political, legal and philosophical similarities and differences. Analysis includes criminal justice systems of England, France, Sweden, Japan and the Soviet Union.

CRJ 415. Research Methods in Criminal Justice (3) Prerequisite: Nine hours of criminal justice and SOC 302. Advanced research methods with application to criminal justice agencies. Special attention to problems and practical solutions in conducting evaluation research in applied settings.

CRJ 420. Collective Violence (3) Prerequisite: Nine hours in criminal justice and SOC 105. Analysis of group violence and its control. Topics include: theory and strategy of mass violence, terrorism, genocide, riots and revolutions, and contemporary forms.

CRJ 450. Criminal Justice Theory (3) Prerequisite: CRJ 105 plus six additional hours in criminal justice. Theories of justice and crime control. Covers philosophy and principles of the U.S. system of justice.

CRJ 490. Criminal Justice Practicum (3) Prerequisite: Senior standing in criminal justice. Field placement in various criminal justice agencies. Integrates practical experience with classroom knowledge. Practicum students required to participate in ONE hour weekly seminar (CRJL 490).

CRJL 490. Criminal Justice Laboratory (1) Corequisite: CRJ 490. Classroom discussion of selected topics related to criminal justice practicum.

CRJ 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

CRJ 495. Topical Seminar (1-3) Prerequisite: Junior or senior standing and consent of instructor. Discussion of selected topics in criminal justice. May be repeated under a different subtitle.

CRJ 499. Honors Work in Criminal Justice (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494, see explanations on p. 151, 94.

Creative Writing Course Descriptions

(Department of Creative Writing)

See courses designated **ENG (CRW)** under **English Course Descriptions**.

Computer Science Course Descriptions

(Department of Computer Science)

CSC 105. Introduction to Computing and Computer Applications (3) Basic computer concepts for non-CSC majors. Elements of computing systems and organization; computer communications including the Internet; applications such as word processing; spreadsheets, data base management, and the rudiments of programming in a current programming language. Social and technical issues including legal, ethical, and security considerations.

CSC 112. Introduction to Computer Programming (3) Prerequisite: MAT 111 or 115 or the equivalent. An introduction to programming in a high-level language for students who are not computer science majors. Algorithms, computer systems, data representation, survey of computer applications, elementary programming techniques, debugging and verification of programs. The language to be used will be specified in the schedule of classes. Three lecture and one laboratory hour each week. May be repeated once for credit under a different subtitle.

CSC 121. Introduction to Computer Science I (3) Prerequisite: MAT 111 or 115, or equivalent. Problem solving methods and algorithms in a modern high-level programming language. Introduces one or more programming environments. Emphasis on programming style and the design, coding, and testing of complete programs. A grade of "C" or better is required for tak-

ing any course for which CSC 121 is prerequisite. Three lecture and one laboratory hour each week.

CSC 133. Discrete Structures (4) Prerequisite: MAT 111 or MAT 115, or equivalent. Introduction to discrete mathematics applicable to computer science. Propositional and predicate logic, basic proof techniques, set algebra and Boolean algebra, recursion and induction, trees and graphs, introductory combinatorics , matrix algebra. Four lecture hours each week.

CSC 220. (ART 220) Computer Animation for the Visual Arts (3) Prerequisite: ART 101 or consent of instructor. Exploration of design elements of shape, line, texture, value, color, space, and time using computer graphics software with microcomputers. Projects in 2-D and animation.

CSC 221. Introduction to Computer Science II (4) Prerequisites: CSC 121. Corequisite: CSC 133. Continuation of CSC 121 with emphasis on character and string manipulation, arrays and pointers, elementary data structures, sorting, recursion, and the use of software tools. Completion of a software project is required. A grade of "C" or better is required for taking courses for which CSC 221 is a prerequisite.

CSC 241. Introduction to Computer Systems & Assembly Languages (3) Prerequisite: CSC 121. Introduction to computer structure. Registers, machine instructions and formats; number and character representation; execution control and addressing techniques. Basic input-output programming; files; procedures, segmentation, and linkage, recursion and re-entrancy; floating-point and string operations. Symbolic and machine-level debugging.

CSC 242. Digital Logic and Computer Organization (3) Prerequisite: CSC 133. Corequisite: CSC 241. Study of computer system organization. Combinational and sequential circuit analysis and synthesis; medium and large-scale integrated circuits. Register-transfer language and microprogramming; instruction fetch and execution; flow of control. Input-output, controllers, interrupts, communications and codes. Introduction to computer networks.

CSC 325. (MAT 325) Numerical Algorithms (3) Prerequisite: CSC 112 or 121, MAT 162. An introduction to the numerical algorithms fundamental to scientific computer work. Includes elementary discussion of error, polynomial interpolation, quadrature, linear systems of equations, solution of nonlinear equations, and numerical solution of ordinary differential equations. The algorithmic approach and the efficient use of the computer are emphasized.

CSC 332. Data Structures (3) Prerequisite: CSC 221. Study of basic data structures and their applications. Lists and trees; graph algorithms; internal and external sort and search techniques; hashing; analysis and design of efficient algorithms; file processing techniques.

CSC 337. Parallel Computing (3) Prerequisite: CSC 242 and 332. Hardware and software issues in parallel computing. Parallel architectures, network topologies, models of parallel computation, languages for parallel programming, and parallel algorithms. Parallel program design and debugging using the language Occam. Issues of non-determinism, synchronization and deadlock. Survey of parallel applications.

CSC 342. Operating Systems (3) Prerequisite: CSC 221. Study of supervisory programs. System services and file systems; CPU scheduling; memory management; virtual memory; disk scheduling. Deadlock characterization, prevention, and avoidance; concurrent processes; semaphores; critical sections; synchronization. Distributed systems and communication protocols.

CSC 344. Computer Networks (3) Prerequisite: CSC 342. The theory and application of inter-computer communication. Local-and wide-area networks; data transmission and error correction; OSI and TCP/IP layering protocols; ethernet, token ring, token bus, and other network technologies; network topologies; the client-server model; bridges and multi-protocol routers; the Internet. Applications include electronic funds transfer and distributed databases.

CSC 350. Computer Components and Circuits (3) Prerequisite: MAT 162 and PHY 202. Introduction to the basic elements of electricity, electronics, and semi-conductor device theory as applied to computer components. Voltage, current, Ohms's law; capacitance, inductance, reactance, impedance, and analysis of AC circuits; transmission lines; transistors, flip-flops, and small-scale integrated circuits; medium and large-scale integrated circuits and the microprocessor.

CSC 360. Formal Languages and Computability I (3) Prerequisite or corequisite: CSC 332. An introduction to theoretical computer science. Topics include regular expression and finite state concepts; basic automata theory; formal grammars and languages; computability; Turing machines; elementary recursive function theory.

CSC 365. Switching Theory (3) Prerequisite: CSC 133. Switching algebra, gate network analysis and synthesis, Boolean algebra, combinational circuit minimization, sequential circuit analysis and synthesis, sequential circuit state minimization, hazards and races, and elementary number systems and codes.

CSC 370. Computer Graphics (3) Prerequisite: CSC 332 and MAT 162. Detailed study of two-dimensional graphics and introduction to issues from three-dimensional graphics. Graphics hardware and applications. Study of graphics primitives in two dimensions: lines, attributes, windowing, clipping, transformations. Overview of other topics: three-dimensional transformations, modeling, color science, rendering.

CSC 385. Professional and Ethical Issues in Computer Science (1) Prerequisite: Junior or senior standing in computer science or permission of instructor. Student presentations and discussions of case studies relating to computer ethics. (Participation in the computer science seminar series required).

CSC 410. Compiler Construction (3) Prerequisite: CSC 332 and 360. Review of program language structures, translation, loading, execution, and storage allocation. Compilation of simple expressions and statements. Organization of a compiler including compile-time and run-time symbol tables, lexical scan, syntax scan, object code generation, error diagnostics, object code optimization techniques, and overall design. Use of compiler writing languages and bootstrapping.

CSC 422. Performance Evaluation of Computer Systems (3) Prerequisite: STT 215, MAT 162, and CSC 342. Modeling and evaluation of computer systems. Probability spaces and probability calculus, random variables and their distribution functions, the calculus of expectations. Markov chains; birth-death processes; Poisson processes; single queue; network of queues and their simulation. System simulation for performance prediction. Modeling concurrent processes and the resources they share.

CSC 425. (525; Mathematics 425/525) Numerical Analysis (3) Prerequisite: MAT 325, 335 and 361. Introduction to the theoretical foundations of numerical algorithms. Solution of linear systems by direct methods, least squares, minimax, and spline approximations; polynomial interpolation; numerical integration and differentiation; solution of non-linear equations; initial value problems in ordinary differential equations. Error analysis. Certain algorithms are selected for programming.

CSC 432. (532) Advanced Data Structures (3) Prerequisite: CSC 332. Advanced topics in data structures, with emphasis on algorithmic complexity. Recursive list manipulations; paradigms of search; biconnectivity, strong connectivity, and precedence relations in graphs; pattern matching; search trees; memory management and secondary storage; optimal techniques for sorting, merging, and selection.

CSC 434. Programming Languages (3) Prerequisite: CSC 332. Comparative study of programming languages from both theoretical and applied viewpoints. Typical issues include syntax and semantics, scope and binding times, storage allocation, parameter-passing techniques, control

structures, run-time representation of programs and data. Detailed examples from the imperative, functional, parallel, object-oriented, and logical programming paradigms.

CSC 442. Computer System Architecture (3) Prerequisite: CSC 242. Advanced study of the architecture of computer systems. Common processor organizations, hardwired and microprogrammed control, input/output subsystem; bus control; programmed I/O; DMA and interrupts; memory subsystem; interleaved, cache and associative memory; cache design; instruction pipelines, arithmetic pipelines, and their scheduling, RISC and CISC architectures, common multiprocessor architectures.

CSC 450. Software Engineering (3) Prerequisite: CSC 332. Study of the design and production of large and small software systems. Topics include systems engineering, software life-cycle and characterization; use of software tools.

CSC 453. Object-Oriented Analysis and Design (3) Prerequisite: CSC 332. An exploration of object-oriented design and software construction. Topics in object-oriented analysis and programming: classes, methods, messages, inheritance, static and dynamic binding, polymorphism, templates, design methodologies, class libraries, and software reuse. Substantial object-oriented software project required.

CSC 455. Data Base Management Systems (3) Prerequisite: CSC 332. Introduction to data base concepts, data independence, logical and physical views of data base systems. Data models: hierarchial, network, and relational. Data description languages, query functions, relational algebra.

CSC 460. Formal Languages and Computability II (3) Prerequisite: CSC 360. Advanced topics in theoretical computer science. Theory of computation; languages and syntactic analysis; computational complexity and NP -completeness.

CSC 475. Topics in Computer Science (3) Prerequisite: Senior standing and permission of instructor. Topics of current interest in computer science not covered in existing courses. May be repeated under a different subtitle.

CSC 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

CSC 495. Seminar in Computer Science (1) Prerequisite: Junior or senior standing and consent of instructor.

CSC 498. Internship in Computer Science (1-3) Prerequisite: Overall GPA of at least 2.50 and a GPA in CSC courses of at least 2.80. Academic training and practical experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean.

CSC 499. Honors Work in Computer Science (2-3) Prerequisite: Eligibility for honors program. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p 151, 94.

Economics Course Descriptions

(Department of Economics and Finance)

ECN 125. Survey of Economics (3) An introduction to economics principles for non-business and non-economics majors. Current analysis rather than theoretical analysis is utilized to present and show the relevance of economics principles. (Not open to students who have earned credit for either ECN 221 or ECN 222.)

ECN 221. Principles of Economics—Micro (3) Prerequisite: MAT 111. Analysis of decision-making processes and economic equilibrium for the individual firm and consumer at an introductory level.

ECN 222. Principles of Economics—Macro (3) Prerequisite: ECN 221. Aggregate economic analysis examining the effects of fiscal and monetary policy upon aggregate employment, income and prices at an introductory level.

ECN 320. Managerial Economics (3) Prerequisite: PDS 314. The theory and application of economics principles and methodology to the decision making process under conditions of uncertainty. Includes the following topics: demand theory and analysis; cost and production conditions facing the firm; forecasting; resource allocation and management of inputs; pricing, profit strategies, and market structure; and finance and investment decision making for the firm.

ECN 321. Intermediate Microeconomics (3) Prerequisite: MAT 151 and ECN 222. A theoretical analysis of individual consumer and firm behavior and general equilibrium.

ECN 322. Intermediate Macroeconomics (3) Prerequisite: ECN 321. A theoretical analysis of the determination of aggregate income, aggregate employment, and the average price level and role of monetary and fiscal policy in the determination of such.

ECN 323. Business, Government and Society (3) Prerequisite: ECN 222. A broad study of the role of business enterprises in society and their relationships with government. Examines influence on decision making of changing social values, changing political, legal, and regulatory environments.

ECN 324. Money and Capital Markets (3) Prerequisite: ECN 222. An introduction to the financial and economic environment within which a firm must operate. Analysis of the sources and the cost and availability of funds in a domestic and international setting; analysis of international monetary flows; financial decision making in an integrated world economy.

ECN 325. (EVS 325) Environmental Economics (3) Prerequisite: ECN 125 or 221. Application of economics concepts to environmental problems; common property resources, public goods, and technological externalities as determinants of market failure; institutional alternatives involving economic incentives.

ECN 326. Comparative Economic Systems (3) Prerequisite: ECN 125 or 222. Analysis of economic systems operating under capitalism, socialism, communism, and fascism; institutions and organization of production and government; decision-making; distribution of income; problems of developing nations.

ECN 328. Public Finance (3) Prerequisite: ECN 222. Study of state, local, and federal government revenue and expenditures; theory of taxation, tax shifting and incidence; theory of public goods, fiscal neutrality and government regulation; methods of achieving efficiency in government benefit-cost analysis, program budgeting (PPB), and pricing of government services.

ECN 329. Industrial Organization (3) Prerequisite: ECN 222. A theoretical and empirical study of how the structure of industry affects the conduct and performance of the firm; covers government regulation, control and influence in business activity with respect to structure, conduct and performance.

ECN 421. History of Economic Thought (3) Prerequisite: ECN 222. Scientific economic thought and philosophy from ancient to modern times. Open-ended as to dates of time period covered. Primary emphasis is on topics as opposed to schools of thought.

ECN 422. Econometrics (3) Prerequisite: PDS 217 and ECN 321. An introduction to the formalization of economic hypotheses into testable relationships and the application of appropriate

statistical techniques. Theoretical aspects are covered, but primary emphasis is on computer application utilizing regression analysis.

ECN 426. International Trade and Finance (3) Prerequisite: ECN 222. A consideration of international trade theory and international financial institutions, including comparative advantage, exchange rates and balance of payments problems.

ECN 427. Labor Economics (3) Prerequisite: ECN 222. An analysis of the demand for and the supply of labor at the individual and the aggregate level; labor unions and collective bargaining.

ECN 428. Regional Growth and Development (3) Prerequisite: ECN 222. Theories of subnational or regional economic growth. Measures of regional economic policies to alleviate problems resulting from disparate rates of regional economic growth.

ECN 433. (FIN 433) Introduction to Speculative Markets (3) Prerequisite: ECN 324 and FIN 335 or permission of instructor. Elementary economics of financial futures and options markets. Mechanics of trading and coverage of existing regulations. Pricing and strategies in options and futures contracts in the markets for financial assets and commodities. Hedging, risk management and valuation.

ECN 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

ECN 495. Senior Seminar in Economics (3) Prerequisite: ECN 322 and consent of instructor. An examination of current problems in economics organized on a discussion-research basis. The content of the course will vary as changing conditions and economic priorities require the use of new approaches to deal with current issues.

ECN 498. Internship in Economics (1-6) Prerequisite: Senior status and consent of department chairperson. Involves the application of economics concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

ECN 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Education Course Descriptions

(Department of Curricular Studies, Department of Specialty Studies)

EDN 105-106. Seminar in Education (1-1) Prerequisite: Permission of instructor. Required of all North Carolina Teaching Fellows during freshman year. Open to others if space is available. An examination of issues and forces related to public education and the profession of teaching in the United States. Topics include political, social, and instructional issues. Emphasis also upon the development of skills essential to academic success. Activities include lectures, discussions, field activities, and reading of selected educational literature. One hour each week.

EDN 200. Teacher, School and Society (3) Corequisite: EDNL 200. Introduction to profession of teaching that acquaints prospective teachers with diverse roles of teachers. Focuses on teacher as decision-maker; careers in education; social, historical and philosophical foundations of education; governmental and organizational aspects of schools; and current and future trends in American education. Observation skills are developed through field experience.

EDNL 200. Field Studies (1) Corequisite: EDN 200. The course is designed to provide opportunities to observe and engage in reflective discussion of curriculum and instructional practices, school governance and organization, and school-community relationships. Students will participate in three hours of field study and reflective seminar activities per week.

EDN 203. Psychological Foundations of Teaching (3) A study of the major psychological variables that influence learning in schools and their applications to teaching. Addresses theories and systems of learning (behavioral, cognitive, constructivist, and humanistic); major developmental processes and typical characteristics; and principles of motivation. Variables explaining and accounting for individual differences will be examined, including cultural aspects of learning and special needs learners. Students will learn about practices associated with effective teaching, including classroom management, and standards for valid assessment of student learning.

EDN 205-206. Seminar in Education (1-1) Prerequisite: Permission of instructor. Required of all North Carolina Teaching Fellows during sophomore year. Open to others if space is available. An examination of the diverse roles of the professional employed within the organization of public schools in the State of North Carolina, including demands and expectations of teaching at various grade levels K-12. Topics include a review of the academic, social, personal, and interpersonal skills required of successful professionals. Current issues and future trends in the field are examined. Activities include required field experiences, lectures, discussions, and reading of selected educational literature.

EDN 211. Principles of Leadership (3) This course will provide an introduction to leadership. Students will develop an understanding of the leadership theories, styles of leadership, and strategies for successful leadership. They will learn skills to enhance their leadership effectiveness in a variety of settings and will develop insights about themselves and others.

EDN 260. Introduction to Exceptional Children (3) Survey of major categories of exception abilities including giftedness, mental retardation, hearing impairments, visual impairments, learning disabilities, communication disorders, behavioral/emotional handicaps, and physical handicaps. Includes study of definitions, characteristics, etiology, psycho-social implications, and educational interventions for each exceptionality. Field-based activities required.

NOTE: Admission to the Watson School of Education is required for enrollment in EDN 300-and EDN 400-level courses.

EDN 301. Instructional Design and Evaluation (3) Prerequisites or corequisites: EDN 200, EDN 203, and admission to the Watson School of Education. Provides conceptual tools and analytic skills essential to planning, implementing, and evaluating instruction. The design of instruction that incorporates behavioral, cognitive, and constructivist theories of learning and views of curriculum will be considered. Topics: types of learning; conditions of learning; performance objectives; purposes, forms, and procedures for educational assessment; task analysis, and lesson design.

EDN 303. Instructional Technology (3) Emphasizes the design, selection, production, and evaluation of instructional materials, computer-generated presentations, and interactive multimedia, with particular emphasis on their effective integration into an instructional unit. Develops skill in the operation of media production equipment, including microcomputers, fundamentals of operating systems, computer software applications, networks, and telecommunications. Three lecture and two laboratory hours each week.

EDN 305. Exemplary Teacher Project I (1) Prerequisite: Formal enrollment in the Teaching Fellows Program. Students will examine best practices of teaching through examination of research and direct classroom observation. Exemplary teachers will meet with students in critical-reflective seminars to discuss concerns associated with classroom teaching, curriculum, pedagogy, multiple learning styles, school organizational structure, school-community relationships, etc. Students will develop research questions and study design; conduct data collection, reduction, and analysis; and produce both independent and whole class reports of findings.

EDN 306. Exemplary Teacher Project II (1) Prerequisites: EDN 305; Formal enrollment in the Teaching Fellows Program. Students will examine best practices of teaching through examination of research and direct classroom observation. Exemplary teachers will meet with students in critical-reflective seminars to discuss concerns associated with classroom teaching, curriculum, pedagogy, multiple learning styles, school organizational structure, school-community relationships, etc. Students will develop research questions and study design; conduct data collection, reduction, and analysis; and produce both independent and whole class reports of findings.

EDN 310. School-Community Relations (3) Methods of improving school-community relations.

EDN 318. Middle School Programs and Practices (3) Overview of the conceptual and historic development of programs for students in grades six through nine. Comparison of varied curricular, instructional, and organizational aspects of the middle school movement. Major emphasis on exploring the educational implications of the developmental characteristics of early adolescent learners. Varied approaches to teaming, classroom management and mainstreaming will be investigated. Work will include observations in a variety of settings.

EDN 319. Meeting Needs of Special Students in Elementary Schools (3) This course will focus on strategies for meeting needs of individuals in elementary school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of children with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

EDN 320. Meeting Needs of Special Students in Middle Schools (3) This course will focus on strategies for meeting special needs of individuals in middle level classrooms. Students will study alternative methods for dealing with student differences which have an impact on academic and social behaviors. Characteristics of adolescents with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

EDN 321. Meeting Needs of Special Students in High Schools (3) This course will focus on strategies for meeting needs of individuals in high school classrooms. Students will study alternative methods for dealing with pupil differences that have an impact on academic and social behaviors. Characteristics of students with academic, intellectual, social-emotional, physical, cultural and language differences will be examined. Field experiences required.

EDN 322. The Teaching of Mathematics (K-6) (3) Prerequisites: EDN 301 and six semester hours of appropriate mathematics. Corequisite: EDNL 322. Focus on the curriculum, materials, and methods appropriate for the teaching of mathematics for the kindergarten through sixth grade level. A field-based activity is required.

EDNL 322. Math Laboratory (1) Corequisite: EDN 322. Designed to provide students with supervised tutorial experiences with school-aged children. Focus on observation of students, development of math lesson plans, math instruction for individual students, evaluation of student performance, interacting with parents, and reflecting on instructional performance.

EDN 323. Teaching Mathematics in the Middle Grades (6-9) (3) Prerequisites: EDN 301, 318, and six hours of mathematics. Focus on the curriculum, materials and methods appropriate for the teaching of mathematics at middle grade levels. A field-based activity is required.

EDN 324. Diagnostic Teaching of Mathematics (6-9) (3) Prerequisite: EDN 323. Understanding of psychological and environmental factors that affect learning of school mathematics. Focus on methods and materials appropriate to diagnosis and remediation of mathematics difficulties common at the six through nine level. Awareness of strategies effective for enhancing self-confidence in mathematics learning. A field-based activity is required.

EDN 334. Social Studies Curriculum and Instruction (K-6) (3) Prerequisites: EDN 301 and six hours of social studies content. An overview of the goals of social studies education and how this affects various patterns of organizing curricular content. The implications of learner developmental characteristics for selecting approaches to instruction from history as well as the social and behavioral sciences will be explored. Emphasis on selection and preparation of appropriate materials including the strategies of inquiry, critical thinking, mapping and graphing, simulation, and problem solution. A field-based activity is required.

EDN 335. Social Studies Education in the Middle Grades (3) Prerequisites: EDN 301, 318, and six hours of social studies content. Examines the specific ways in which social studies curriculum can be organized to meet the learning needs of middle grades students. Emphasis on selection and preparation of appropriate materials, identification of instructional procedures, data-based decision making and the relevance of social inquiry to the real world. Work will include a field experience and preparation of an in-depth unit of study suitable for use at this level.

EDN 336. The Teaching of Science (K-6) (3) Prerequisites: EDN 301 and two science courses. Methods of teaching the biological, earth and physical sciences and health. Applications of the sciences to classroom experimentation and investigation. Examination of contemporary curricula used at the elementary school level. Field experiences required.

EDN 337. Inquiry—The Method of Science (3) Prerequisite: A course in science methods or the completion of 15 hours toward a concentration or major in science or permission of instructor. Assumes initial level competency in curriculum and methods of science. Focuses on conceptualization of and rationale for using inquiry method of teaching science. Provides opportunities to acquire and practice skills needed to utilize method and to guide scientific investigation at K-12 levels.

EDN 338. The Teaching of Science (6-9) (3) Prerequisites: EDN 301, 318, and basic studies science courses. Survey of curriculum and methods for teaching science in grades 6-9. Focus on processes of scientific inquiry, on topics that integrate learnings across science disciplines, and on the social implications of science and technology. Field experience required.

EDN 339. Apprentice Field Experience (1) Corequisites: Designated sections of EDN 334, 336, 344, and 348. Designed to provide supervised extended experiences in public school classrooms beyond those required as a part of any one methods course. Focus on reflections concerning observations and use of pedagogy with elementary age students. Emphasis on integration in order to promote theory into practice. Weekly field experiences in designated sections of corequisite courses required.

EDN 340. Reading Foundations (K-6) (3) Prerequisite: EDN 301. Corequisite: EDNL 340. Emphasis on linguistics and psychological bases of the reading process, stages in the development of reading ability, and sequences of skill acquisition. Students will study models of reading instruction for language and literacy learning, the role of the classroom teacher of reading, and forces influencing that role. Extensive field experiences required.

EDNL 340. Literacy Laboratory (1) Corequisite: EDN 340. Designed to provide students with supervised tutorial experiences with school-aged children. Focus on observation of students, development of literacy lesson plans, literacy instruction for individual students, evaluation of student performance, interacting with parents, and reflecting on instructional performance.

EDN 344. Literature in the Elementary School (K-6) (3) Prerequisite: EDN 340. The selection and evaluation of literature for elementary school children, including books and other media. Includes exploration of multi-cultural themes and traditions through literature, and strategies for integrating literature, music, and movement into the elementary curriculum.

EDN 348. The Teaching of Communication Arts (K-6) (3) Prerequisite: EDN 301 and 340. Study of various approaches to school language instruction. Examination of strategies and methods for promoting growth in language learning in elementary classrooms with emphasis on use of drama and theater activities to enhance learning. Includes extensive opportunities to assess, teach, and evaluate all areas of children's language and reading development in public school classrooms. Field experience required.

EDN 349. The Teaching of Health and Physical Education (K-6) (3) Prerequisite: EDN 301. This course will focus on current issues and trends in health education and physical education; the development, implementation, and assessment of curricular materials; and effective instructional strategies to teach health education and physical education in the elementary school. Field experiences required.

EDN 352. Developing Reading Competence in the Middle Grades (6-9) (3) Prerequisite: Admission to the Watson School of Education. Develops understanding of reading processes in the broad context of communication. Presents strategies for fostering and evaluating interest, fluency, and skill in reading, both in developmental reading classes and in content subjects. Topics include organizational and instructional strategies for the development of reading ability, techniques for motivating and guiding readers, and strategies for study and comprehension which support learning in all areas of the curriculum. Field experience required.

EDN 355. Language Arts Methods for the Middle Grades (6-9) (3) Prerequisites: EDN 301, 318 and 352. Presents curriculum and methods for developing linguistic and communicative competence in language arts classes in the middle school. Develops understanding of communication processes (listening, speaking, writing, viewing, etc.), dialects, and language systems as influences in teacher decision-making. Focus on strategies and plans for facilitating and evaluating student oral and written language performance. Field experience required.

EDN 356. Reading in the Secondary School (3) Prerequisite: EDN 301. Required course in the teaching of reading for secondary majors. Basic instructional reading strategies are developed, with emphasis on introducing assignments, improving study skills, and fostering critical thinking. Students identify and learn to teach reading skills specific to varying content areas. Adjusting instruction to students' reading capabilities is stressed.

EDN 364. Mental Retardation in School and Society (3) Examination of the field of mental retardation from an developmental perspective. Study of etiology, definitions, characteristics, and historical and current approaches to treatment of persons with mental retardation in a variety of settings and across the life span. Includes study of all levels of mental retardation. Field experiences required.

EDN 366. Learning Disabled Children and Adolescents (3) Examination of the field of learning disabilities. Emphasis on the concept of learning disabilities, etiology, diagnosis, characteristics, teaching strategies, theory, historical influences, and current trends. Field-based activities required.

EDN 367. Behavior Management Techniques (3) Prerequisite: EDN 301 or consent of instructor. Designed to develop an understanding of the principles of behavior and their application in planning and implementing various behavior management strategies. Focus will be on observation and measurement of social behavior management techniques. Field experiences required.

EDN 368. Diagnostic Techniques in Special Education (3) Prerequisites: EDN 301 and one of the following: EDN 260, 364, 366 or 370. Examination of concepts and fundamentals of educational assessment. Includes examination of formal and informal techniques appropriate for exceptional students. Includes assessment of intellectual functioning, academic problems, spoken language, learning skills, social-emotional development, early childhood skills, and vocational skills. Field experiences required.

EDN 369. Prescription Development in Special Education (3) Prerequisites: EDN 301 and one of the following: EDN 260, 364, 366 or 370. Development of skill in planning educational programs for exceptional children. Includes writing instructional objectives, selecting appropriate materials and techniques, writing lesson plans, and formulating individualized educational programs. Field experiences required.

EDN 370. Behaviorally Disordered Children and Youth (3) Prerequisites: EDN 301 or consent of the instructor. Designed to examine the wide and complex variety of learners labeled as "behaviorally disordered" or "emotionally disturbed." Topics related to historical, theoretical, etiological, developmental, and symptomological issues plus diagnosis, identification and service delivery models will be introduced. Program and parent involvement models and current trends and issues will be reviewed. Field experiences required.

EDN 371. Programming and Interventions for Behaviorally Disordered Students (3) Prerequisites: EDN 367 and 370. Examination of problems, issues and practices in developing programs for and educating students with behavior disorders. Emphasis on academic and social needs, major interventions, family involvement, scheduling issues, applied behavior analysis, and systematic/directive teaching of new behaviors. Legal considerations, consultation strategies, and curriculum issues will be reviewed. Field experiences required.

EDN 372. Programming and Interventions for Learning Disabled Students (3) Prerequisite: EDN 366. Study of the educational implications of LD student characteristics. Emphasis will be on needs of LD individuals relevant for instruction; developmental, cognitive, medical, behavioral, and cognitive developmental approaches; programming and interventions for grades K-12; remediation and compensation strategies. Field-based activities required.

EDN 373. Programming and Interventions for Mentally Handicapped Students (3) Study of intervention strategies for persons with mental retardation. Emphasis will be on programming for persons with mental retardation in community settings including day treatment programs as well as school settings. Field experiences required.

EDN 374. Special Education Curriculum and Instruction (3) To be taken the semester prior to EDN 410 and EDN 411. Study of the curriculum areas and instructional techniques utilized in educational settings for learning disabled, mentally retarded, and behaviorally/emotionally handicapped students. Emphasis on curriculum development processes, design and lesson and unit plans, selections of materials, identification of instructional procedures, and data-based decision making. Field experiences required.

EDN 380. Child Observation and Assessment (3) Prerequisite: Admission to Watson School of Education. Designed to develop a broad set of child and family observation skills and ability to conduct and interpret variety of means of child assessment, both formal and informal. Methods of assessment will include systematic observations, use of screening instruments, interview techniques, rating scales, portfolios and anecdotal records. Includes knowledge of assessment with culturally diverse populations and children with special needs. Field experiences required.

EDN 382. Literacy Development in the Early Years (2) Prerequisite: Admission to Watson School of Education. Designed to inform students of the theory and research that has influenced the development of principles and strategies for promoting emergent literacy. Developmentally appropriate literacy activities will be explored along with ways to use individualized assessment to gauge children's current abilities and to use and build upon what children bring to oral language, reading, and writing. The roles of supportive adults, print-rich environments and principles of multicultural learning will be investigated. Field experiences required.

EDN 383. Conceptual Understandings of the Physical World (2) Prerequisite: Admission to Watson School of Education. Designed to acquaint B-K teachers with the curriculum, materials and methods used to teach basic concepts in mathematics and science to young children. Emphasis will be given to developmentally appropriate materials and experiences to promote power of observation and to encourage emergent conceptual abilities and cognitive processing skills. Field experiences required.

EDN 385. Field Experiences In Early Childhood Education (1) Prequisites: Admission to Watson School of Education and consent of instructor. Provides students with opportunities for application of concepts through forty hours of field work with young children and their families in a variety of community settings including public schools, preschools, childcare centers, and private homes under the supervision of licensed service providers.

EDN 386. Field Experience in Infant/Toddler Education (1) Prequisites: Admission to Watson School of Education and consent of instructor. Corequisite: EDN 450. Provides students with opportunities for application of concepts through forty hours of field work with young children and their families in a variety of community settings including childcare centers, pediatric units, preschools, and private homes under the supervision of licensed service providers.

EDN 387. Field Experience Working With Children With Special Needs (1) Prerequisites: Admission to Watson School of Education and consent of instructor. Corequisite: EDN 451. Provides students with opportunities for application of concepts through forty hours of field work with young children and their families in a variety of community settings including public schools, preschools, childcare centers, and private homes under the supervision of licensed service providers.

EDN 401. School Improvement and Teacher Leadership (1) Prerequisite: Formal admission to the Teaching Fellows Program. Goals of the course are for students to examine: the context of classroom teaching; the range of non-instructional demands on teachers' time and energy; the range of school improvement initiatives and the strategies and barriers to improvement; and strategies of teacher leadership. These purposes are attained through scholarly examination of extant school improvement initiatives and focused discussions with school-level teachers and administrators.

EDN 403. Theory and Practice in Teaching Secondary English (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 404. Theory and Practice in Teaching Secondary Mathematics (9-12)(3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 405. Theory and Practice in Teaching Secondary Social Studies (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 406. Theory and Practice in Teaching Secondary Science (9-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 407. Theory and Practice in Teaching Foreign Languages (K-12) (3) Prerequisite: EDN 301. Emphasis on theory, curriculum development, inquiry, critical thinking, classroom management, instructional strategies and selection of appropriate instructional materials. Successful planning and teaching practices with adaptations to diverse needs of students will be discussed. Field-based activities required (10-20 contact hours).

EDN 408. Instructional Seminar (3) Corequisite: EDN 409 except for physical education and music education majors. Prerequisites: All professional core and specialty area courses, acceptance into the Watson School of Education, and a 2.50 GPA on all work attempted at UNCW. Development of instructional skills required for successful teaching with regard for the particular needs of the student's academic discipline. Emphasis is given to professional documentation of reflective growth. Course activities include field experience assignments, microteaching, and production of individual lesson plans and unit lesson plans.

EDN 409. Practicum (12) Corequisite: EDN 408 except for physical education and music education majors. Prerequisites: As specified for EDN 408. Students will be assigned full-time to practicum sites within their areas of specializations. During the course, students will engage in a variety of supervised instructional activities, assuming increasingly wider responsibility for class instruction. Practica are offered in the following areas of specialization: biology, chemistry, English, French, geology, history, mathematics, music, physical education (and health), physics, social studies, and Spanish.

EDN 410. Seminar in Education (K-6, 6-9, special education) (3) Corequisite: EDN 411. Prerequisites: All courses in the professional core and specialty areas appropriate for the concentration for K-6, 6-9, and special education majors and a 2.50 GPA on all work attempted at UNCW. Designed as a culmination of professional study and an initiation into student teaching and the teaching profession. Provides opportunities to extend and apply understandings of the roles of the teacher as a decision-maker, particularly in the areas of planning, instruction, management, and evaluation.

EDN 411. Practicum (K-6, 6-9, special education) (12) Corequisite: EDN 410. Prerequisites: As specified for EDN 410. A full-time practicum experience within the area of specialization. Students will engage in a variety of supervised instructional activities, assuming an increasing amount of responsibility for all phases of classroom instruction. Practica are offered in the areas of elementary education (K-6), middle grades education (6-9), and special education.

EDN 412. Extended Practicum (3-6) Prerequisite: Appropriate curriculum and instruction courses and permission of the chairperson of the Department of Curricular Studies or Specialty Studies. A part-time practicum experience within the appropriate area of licensure. Students will engage in supervised instructional activities that extend their understandings and teaching performance to an additional area of preparation. Areas of specialization include education of young children, elementary, middle grades, special education, and secondary education. May be repeated for a maximum of 12 hours.

EDN 414. Experiencing the Cultural Arts (1) Corequisites: EDN 410 and 411. Designed to provide experiences with the cultural and performing arts that would prepare students to plan and deliver appropriate experiences for elementary students. Experiences will include drama, dance, vocal and instrumental music, and studio art. Attention will be given to historical development, extensions across cultures and appreciation of creativity. Emphasis on integrating arts instruction with other areas of the curriculum.

EDN 415. Education Media Design and Production (3) This course will provide students with an understanding of the design principles underlying the production of instructional materials and with the necessary production techniques. Emphasis will be placed upon the production of materials and their effective integration into an instructional unit. Students will design, produce, and evaluate a number of projects using techniques common to media programs in public schools and the authors who have made contributions to this field.

EDN 416. Instructional Applications of Computers (3) Prerequisites: EDN 301 and 303 or permission of instructor. Designed to develop skills in using computers as tools in instruction and to make judgments about instructional materials designed for use on computers. Topics include: (1) introduction to computing systems, (b) introduction to microcomputer programming languages, authoring languages, (d) judging instructional "software", (e) using computers to manage classroom records, (f) using computers in instruction, and (g) teleprocessing and automated data bases. Activities will include group lectures, demonstrations, and discussions, projects in software designed for classroom management and instruction. The major focus is on microcomputer application.

EDN 430. Preschool Curriculum (3) Prerequisite: EDN 301. Provides students the understandings, skills, and abilities necessary to implement an effective preschool program. Emphasis placed on knowledge of the curriculum content and the effective combinations and correlations of these contents for a preschool program. Activities include lectures, discussions, demonstration, individual, and group projects.

EDN 431. Teaching in the Primary Grades (3) Designed to develop a broad overall view of teaching in the primary grades. The course includes examination of the history, current "state of the art" and possible future of primary education. Focus is on the application of knowledge of child development and learning theories in organizing and implementing the primary school curriculum in an integrated and interdisciplinary fashion. Study of classroom organization and management for effective teaching in the primary grades will be undertaken.

EDN 432. Interdisciplinary Curriculum and Instruction (3) Examines principles of interdisciplinary curriculum and instruction and explores its appropriateness for middle grades and intermediate students. Alternative approaches to designing interdisciplinary curriculum and instruction such as thematic units and exploratory and interest-based study will be examined. Emphasizes the possible linkages among the disciplines, focusing on thinking and communication skills, concepts and problem solving learning, as well as values clarification/resolution.

EDN 446. Black Literature and Resources for Teachers (3) A survey of Black literature, including the examination of materials published for classroom use in the public schools and the authors who have made contributions to the field. Three hours each week.

EDN 450. Infant and Toddler Program Models (3) Prerequisite: Admission to Watson School of Education. Designed to inform students of the goals, philosophies and program characteristics of exemplary programs in very early childhood education (birth to age three). Developmentally appropriate settings and activities for infants and toddlers will be studied, and ways of working with parents will be explored. Optimal caregiving strategies and skills needed for providing a quality program for infants and toddlers will be emphasized. Field experiences required.

EDN 451. Adaptive Practices in Early Childhood (3) Prerequisite: Admission to Watson School of Education. Designed to develop both planning and intervention skills for working with young children with special needs and their families. Students will plan educational programs which include use of specific intervention techniques and practices from recognized early intervention programs for children showing a typical development. Attention will be given to adopting strategies to include exceptional children in programs for typically developing young children. Field experiences required.

EDN 460. History and Administration of Preschool Education (3) Prerequisites: Admission to Watson School of Education, and completion of all specialty area coursework. A 2.50 GPA on all work at UNCW is required. Corequisite: EDN 465. Course will present history of education for young children from cross-cultural, national and state perspectives. The current and anticipated future political, social and economic contexts for early childhood education (B-K) in

the United States will be examined, along with public policy questions and implications of various policy decisions. The administration of early childhood education programs will be studied, including planning, scheduling, enrollment, licensure, and evaluation of programs operating in various settings. Relevant federal and state legislation, policies, and regulations will be examined. Possibilities for integrating child and parent education will also be explored.

EDN 465. Practicum in Education of Young Children (B-K) (12) Prerequisites: Admission to Watson School of Education and completion of all specialty courses. Corequisite: EDN 460. A full-time practicum experience with young children and their families in an approved child care setting. Students will engage in a variety of supervised activities assuming an increasing amount of responsibility for all phases of an educational program for young children and their families. Emphasis is on the teacher intern as a decision maker and reflective practitioner.

EDN 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairman.

EDN 495. Selected Topics in Education (1-3) Prerequisite: Junior or senior standing. Selected topics in education of varying duration and credit. May be repeated for a maximum of 6 semester hours.

EDN 499. Honors Work in Education (2-3) Prerequisite: Senior standing. Independent study for honors students.

Pre-Engineering

(College of Arts and Sciences)

EGN 101. Introduction to Engineering (2) Prerequisite: MAT 111. Profession and practice of engineering. Ethics, professionalism, unit systems, problem solving, data presentation, communication, teamwork, and design.

EGN 201. Structure and Properties of Engineering Materials (3) Prerequisite: CHM 101. Introduction to the fundamental physical principles governing the structure and constitution of metallic and nonmetallic materials and the relationships among these principles and the mechanical, physical, and chemical properties of engineering materials.

EGN 206. Engineering Statics (3) Prerequisite: PHY 201. Corequisite: MAT 162. Basic concepts of forces in equilibrium. Distributed forces. Inertial properties. Application to machines, structures, and systems.

EGN 208. Engineering Dynamics (3) Prerequisite: EGN 206, MAT 261. Kinematics and kinetics of particles in rectangular, cylindrical, and curvilinear coordinate systems; energy and momentum methods for particles; kinetics of systems of particles; kinematics and kinetics of rigid bodies in two and three dimensions; motion relative to rotating coordinate systems.

EGN 211. Electric Circuits I (3) Prerequisite: MAT 162, PHY 201. Corequisite: MAT 261, PHY 202. Introduction to theory, analysis, and design of electric circuits. Circuit parameters and elements: voltage, current, power, energy, resistance, capacitance, and inductance. Kirchoff's laws and circuit analysis techniques. Linearity, superposition, Thevenin's theorem. Active circuit elements and elementary amplifiers. Transient response of energy-storage circuits. Periodic functions, RMS values, phasors, sinusoidal steady-state response, resonance, Q, banwidth. Introduction to frequency response.

EGNL 211. Electric Circuits I Laboratory (1) Prerequisite: MAT 162, PHY 201. Corequisite: EGN 211, MAT 261, and PHY 202. Laboratory on the material treated in EGN 211 emphasizing elementary design principles.

EGN 212. Fundamentals of Logic Design (3) Introduction to digital logic design: Boolean algebra, switching functions, Karnaugh maps, modular combinational logic, flip-flops, latches, synchronous sequential circuits, case studies in asynchronous digital design.

EGNL 212. Fundamentals of Logic Design Laboratory (1) Laboratory on the material treated in EGN 212 emphasizing elementary design principles.

EGN 314. Solid Mechanics (3) Prerequisite: EGN 206, MAT 261. Corequisite: EGN 201. Concepts and theories of internal force, stress, strain, and strength of elements under static loading conditions. Constitutive behavior of linear elastic structures. Deflection analysis for bars, beams, ans shafts. Introduction to matrix analysis of structures.

English Course Descriptions

(Department of English)

Students either must complete a sequence of ENG 101-102 or must complete ENG 103. Placement in either ENG 101-102 or ENG 103 is determined by an English placement test or by scores on the Advanced Placement or the CLEP test. ENG 103 is a 3-credit course, but successful completion of the course satisfies the basic studies composition requirement.

ENG 100. Foundations of Composition (0) Intensive writing practice and instruction for students needing preparation in the basics of composition. Three hours each week. (No credit granted toward graduation. Hours are counted in computing student loads, but not in computing quality point ratios.) This course is offered on campus through Cape Fear Community College (CFCC). Consequently, all students taking this course are required to pay tuition, fees, and charges as established by CFCC in addition to charges established by UNCW. UNCW collects these additional charges from the student and remits the amounts collected to CFCC.

ENG 101. College Writing and Reading I (3) Prerequisite: Evidence of competence on the English placement test or a grade of "C" (2.00) or better in ENG 100. An introduction to college-level writing and reading. Extensive practice in analyzing and responding to text and in techniques of invention, development, organization, editing, and revision, with emphasis on narrative and expository forms appropriate to academic writing.

ENG 102. College Writing and Reading II (3) Prerequisite: ENG 101. College-level writing and reading, including continued practice in the composing process, with emphasis on argumentation and research. Frequent projects in gathering, analyzing, synthesizing, and documenting information from sources.

ENG 103. College Writing and Reading III (3) Prerequisite: Special competence demonstrated in the English placement test, Advanced Placement test, or CLEP test. College-level writing and reading for advanced students. Extensive practice in composing processes and in gathering, analyzing, synthesizing, and documenting information from sources.

ENG 105. English as a Second Language (See FLL 105, Foreign Languages and Literatures)

ENG 110. Introduction to Literature (3) An introductory course in reading and responding to literature in a variety of genres, such as poetry, fiction, drama, and literary non-fiction. Individual sections may be organized around genres, a series of themes, or a particular theme, as indicated by subtitles published in each course schedule. May not be repeated under different subtitles.

ENG 201. Intermediate College Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Instruction in composing strategies to strengthen organizational, syntactical, and editing skills. Written projects relate to the academic interests of each student.

ENG 202. Introduction to Journalism (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Introduction to news values, style, and writing. Focus is on writing news leads and news stories under deadline pressure. Also included: note taking, interviewing, and an introduction to feature writing.

ENG 206. (CRW 206) Foundations of Creative Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Instruction in creative writing aimed at developing the creative process and ways to teach that process. Includes writing exercises in poetry and fiction. Intended for majors electing the Professional and Creative Writing and Teacher Licensure options.

ENG 207. (CRW 207) Fiction Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Instruction in writing fiction, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the fiction of relevant professional authors.

ENG 208. (CRW 208) Poetry Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Instruction in writing poetry, including critical evaluation by instructor and class of students' original works. Students also critique and relate to their own work the poetry of relevant professional poets.

ENG 209. (CLA 209) Classical Literature in Translation: Topics (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. Major authors of ancient Greece and Rome. Emphasis on ancient literature in its social context and on classical themes in later literatures. May be repeated under a different subtitle.

ENG 210. (CLA 210) Mythology (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. The major mythological systems of Western society -Greek, Roman, and Norse. Mythology of other parts of the world, especially the Ancient Middle East, and related material are also considered.

ENG 211, 212. British Literature to 1800, British Literature since 1800 (3,3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. 211: A survey of major British authors from the Anglo-Saxon period through the eighteenth century; 212: A survey of major British authors of the nineteenth and twentieth centuries. Both courses examine representative selections from an analytical and historical perspective.

ENG 223, 224. American Literature to 1870, American Literature since 1870 (3,3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. 223: The literature of colonial and early America and of the Romantic era. 224: The literature of American Realism and the twentieth century.

ENG 225, 226. World Literature to 1600, World Literature since 1600 (3,3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. Representative works of world literature (excluding British and American authors), including both Western and non-Western works. 225: Work from ancient times to about 1600; 226: 1600 to the present.

ENG 230. Women in Literature (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. Twentieth-century literature by and about women. Focuses on changes in images and roles of women. Includes fiction, poetry, and essays.

ENG 232. African American Literature (3) Prerequisite or corequisite: ENG 102 or ENG 103 or consent of instructor. Survey of the African American literary tradition, from the eighteenth century to the present and including such writers as Douglass, Chesnutt, Hurston, Baldwin, Walker, and Morrison.

ENG 233. The Bible as Literature (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. Study of types of Biblical literature, including narratives from the Old and New Testaments, sermons, parables, and poetry. Attention is given to the Bible as literature in itself and as a source of symbols and allusions in Western culture.

ENG 270. (THR 270) Introduction to Film (3) Prerequisite: ENG 102 or 103. Analysis of film through cinematography, editing, composition, sound, style and narrative. Films drawn from various national cinemas, representing a diversity of styles, periods and genres. Three lecture and two screening hours each week.

ENG 290. Themes in Literature (3) Prerequisite or corequisite: ENG 102 or ENG 103, or consent of instructor. An interdisciplinary study of a significant theme, such as war and peace, justice, love, youth and age, focusing primarily on literary works but also drawing on sources from other fields, including art, music, and history. May be repeated once under a different subtitle.

ENG 300. Introduction to Technical Writing (3) Prerequisite: ENG 102 or ENG 103, or consent of instructor. Types of professional writing, such as resumés, proposals, instructions, and feasibility studies. Emphasis on collaboration and oral presentations. Attention paid to style, form, and organization. Adaptable to student's major field of study.

ENG 301. Advanced Technical Writing (3) Prerequisite: ENG 300, or consent of instructor. Theory and application of technical writing, with emphasis on document design and usability, proposals, professional papers, research methodology, and oral presentation of technical reports. Adaptable to student's major field of study.

ENG 302. Journalism Workshop (3) Prerequisite: ENG 202, or consent of instructor. Continuation of ENG 202. Focus is on gathering news from various community and campus sources and writing in news style under deadline pressure. Also included: some attention to feature and editorial writing.

ENG 304. Writing for Teachers (3) Prerequisite: ENG 102 or ENG 103 and junior standing. Instruction in writing for teachers of all school subjects (K-12). Forms of exposition and persuasion appropriate to teachers; consideration given to learning and composition theory, the composing process, theories of rhetoric, evaluation, writing development. This course is designed for prospective teachers.

ENG 306. Essay Writing (3) Prerequisite: ENG 102 or ENG 103. Instruction in all major essay modes: narration, description, exposition, critical analysis, and persuasion. Emphasis on mastering prewriting, writing, and revision strategies; attention to developing individual style. Appropriate for students in all majors.

ENG 307. (CRW 307) Advanced Fiction Writing (3) Prerequisite: ENG 207 (CRW 207), or consent of instructor. Advanced techniques of writing fiction and development of the creative process. Including: writing exercises, editing, and workshop discussion, and preparation of final manuscripts for publication. May be repeated once for credit.

ENG 308. (CRW 308) Advanced Poetry Writing (3) Prerequisite: ENG 208 (CRW 208), or consent of instructor. Advanced techniques of writing poetry, and development of the creative process. Including: writing exercises, editing, and workshop discussion, and preparation of final manuscripts for publication. May be repeated once for credit.

ENG 310. Theory and Practice of Editing (3) Prerequisite: ENG 102 or ENG 103. An advanced writing course, focusing on revising, editing, and copy editing. Techniques and strategies for getting prose ready for publication will be explored. Extensive practice in editing professional and student samples.

ENG 311. (CRW 311) Professional Magazine Writing (3) Prerequisite: Three hours in writing courses beyond ENG 102 or ENG 103, or consent of instructor. Writing of nonfiction prose intended for publication in newspapers, magazines, and journals.

ENG 315. (CRW 315) Special Topics in Writing (3) Prerequisite: Three hours in writing courses beyond ENG 102 or ENG 103, or consent of instructor. A focused study of a particular subject in composition/rhetoric. Topics may vary from semester to semester and may include classical or medieval rhetoric; the study of style; the writing of grants; the rhetoric of visualization, art, music, or photography; the analysis of propaganda and advertisements; or theories of writing. Content varies from semester to semester. May be repeated once under a different subtitle.

ENG 316. (CRW 316) (THR 316) Playwriting I (3) Prerequisite: Three hours in writing courses beyond ENG 102 or ENG 103, or consent of instructor. Analysis of one-act plays and their construction; the writing of an original one-act play required.

ENG 318. (CRW 318) (COM 318) Screenwriting: Writing the Screenplay (3) Prerequisite: Three hours in writing courses beyond ENG 102 or 103 or permission of instructor. Theory and practice of writing screenplays and documentary scripts for television and film. Includes writing original scripts.

ENG 320. Introduction to Linguistics (3) Prerequisite: ENG 102 or ENG 103 and junior standing, or consent of instructor. Important topics in the study of language, including phonological, syntactic, and semantic systems; language change; language acquisition by children; theories of language origin; and animal "language."

ENG 321. Structure of the English Language (3) Prerequisite: ENG 102 or ENG 103 and junior standing, or consent of instructor. Study of the grammatical structure of the English language and the process by which we create and comprehend English sentences. Emphasis on recent syntactic models.

ENG 322. General Semantics (3) Prerequisite: ENG 102 or ENG 103 and junior standing, or consent of instructor. The study of language as it affects our thinking and behavior; language and prejudice; the language of advertising, propaganda, science, and poetry; slanting, euphemisms, jargon, connotations, and abstraction.

ENG 323. History of the English Language (3) Prerequisite: ENG 102 or ENG 103 and junior standing, or consent of instructor. The development of the English language from Old English to the present; changes in sounds, vocabulary, syntax, meaning, and spelling; formation of American dialects.

ENG 332. Shakespeare's Early Plays and Poems (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of eight to ten plays written before 1600 and selected sonnets. Included are tragedies, comedies, and histories.

ENG 333. Shakespeare's Later Plays (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A study of eight to ten plays written after 1600. Included are tragedies, comedies, and histories.

ENG 335. Restoration and Eighteenth-Century Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major writers and types of literature between 1660 and 1800. May include works by Dryden, Swift, and Pope, as well as examples of the periodical essay, early novel, and drama.

ENG 336. British Romanticism (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Selected poetry and prose of the Romantic period, 1783-1837. Emphasis on developments in poetry, the role of the artist, and Romantic critical theory. Includes such writers as Blake, Byron, Wordsworth, Coleridge, Keats, Shelley, Austen, and Scott.

ENG 337. Victorian Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. English literature from 1832 to 1901. Cultural upheavals as reflected in poetry and prose by such authors as Tennyson, Browning, Arnold, Pater and the Pre-Raphaelites, Dickens, George Eliot, and Thackeray.

ENG 338. British Literature 1900-1950 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of a broad range of writings from the first half of the twentieth century. Includes works by British authors such as Conrad, Lawrence, Joyce, Woolf, Yeats, Shaw, and Auden.

ENG 340. Multiculturalism and Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Multicultural literatures within and outside of the United States, such as African and African American, Asian and Asian American, Latin American and Latino literature; introduction to contemporary perspectives on multiculturalism.

ENG 341. Postcolonial and Third World Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literature of postcolonial and Third World regions, with emphasis on Africa and its diaspora, Latin America, and Asia. Introduction to postcolonial theories.

ENG 345. (CLA 345) Topics in Mythology (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. The study of a selected theme in world mythologies. Content varies from semester to semester. May be repeated once under a different subtitle.

ENG 350. American Romanticism (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major writers in the American Renaissance, from 1820 to the Civil War, such as Whitman, Emerson, Thoreau, Poe, Hawthorne, and Melville.

ENG 351. American Realism (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major writers in the period of emerging industrialism and urbanization after the Civil War, such as Dickinson, Twain, James, Crane, and Dreiser.

ENG 352. American Literature 1900-1950 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of a broad range of writings from the first half of the twentieth century. Includes works by American authors such as Eliot, Pound, Stevens, O'Neill, Hemingway, Fitzgerald, Porter, and Faulkner.

ENG 353. Southern American Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of nineteenth-and twentieth-century Southern literature, ranging from southwestern humor sketches written before the Civil War to recent literature by such authors as Welty, O'Connor, Faulkner, Ellison, Percy, and Williams.

ENG 354. North Carolina Writers (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Short stories, novels, and poetry by North Carolina writers. Several works reflect upon the life and time of the state. Includes such writers as Charles Chesnutt, O. Henry, Thomas Wolfe, Randall Jarrell, and Gail Godwin.

ENG 355. Ethnic Literature of the United States (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literature of various American ethnic groups, with emphasis on African American, Jewish American, Native American, Hispanic American, and Asian American literature.

ENG 356. American Indian Literatures (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Study of past and present literatures of various North American Indians, including oral traditions, tales, poetry, and fiction.

ENG 361. Studies in the Short Story (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Types of the short story, with emphasis on the features and development of the genre. Works from a variety of periods, authors, and traditions. May be repeated once under a different subtitle.

ENG 362. Studies in the Novel (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Types of the novel, with emphasis on the features and development of the genre. Works from a variety of periods, authors, and traditions. May be repeated once under a different subtitle.

ENG 364. Studies in Poetry (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Major types of poetry, with emphasis on their form, style, and interpretation. Poems from a variety of periods, authors, and traditions. May be repeated once under a different subtitle.

ENG 365. (THR 365) Studies in Drama (3) Prerequisite: Six hours of literature at the 200 level or above; or consent of instructor. A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism. May be repeated once under a different subtitle.

ENG 366. Topics in American and British Cinema (3) Prerequisite: ENG 102 or 103, and junior or senior standing. A selected genre, period, style, theme or filmmaker in American and British film. May be repeated once under a different subtitle. Three lecture and three screening hours each week.

ENG 370. European Literature to 1900 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A study of a period, movement, theme, or genre in a broad range of writings by Continental authors from 1650 to 1900.

ENG 371. European Literature Since 1900 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. A study of a period, movement, theme, or genre in a broad range of writings by Continental authors from 1900 to the present.

ENG 372. Contemporary Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literature since 1950. Includes such movements and themes as confessional and beat poetry, theater of the absurd, alienation, pop culture, and experimentation.

ENG 373. The Female Tradition in Literature (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Literary works by nineteenth-and twentieth-century women. Examines evolving women's literary criticism and distinctly female uses of language in literature.

ENG 374. American and British Poetry 1900-1945 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Pre-World War II poets such as Hopkins, Yeats, Pound, Eliot, Frost, and Stevens. Trends in modern poetry are considered.

ENG 375. American and British Poetry since 1945 (3) Prerequisite: Six hours of literature at the 200 level or above, or consent of instructor. Post-World War II poets such as Roethke, Lowell, Giovanni, Plath, Hughes, and Hill. Trends in postmodern poetry are considered.

ENG 376. American Cinema 1927 to 1960 (3) Prerequisite: ENG 102 or 103, and junior or senior standing. History and aesthetics of American cinema from the beginning of sound film until the break-up of the studio system, focusing on the height of the Hollywood studio era. Classical genres and styles and prominent Hollywood filmmakers. Three lecture and two screening hours each week.

ENG 377. American Cinema Since 1961 (3) Prerequisite: ENG 102 or 103, and junior or senior standing. History and aesthetics of American cinema since the end of the studio era, emphasizing the continuities and breaks with the Classical Hollywood Cinema. Three lecture and two screening hours each week.

ENG 380. Literature for Children (3) Prerequisite: ENG 102 or ENG 103 and six additional hours of English courses at the 200 level or above, or consent of instructor. Exploration of children's books in several genres. Intended for present and future parents and teachers of grades 4-9. Although this course is designed primarily for prospective teachers, all majors are welcome.

ENG 381. Literature for Young Adults (3) Prerequisite: ENG 102 or ENG 103 and six additional hours of English courses at the 200 level or above, or consent of instructor. An exploration of various genres appropriate for high school students. Intended for present and future parents and teachers of adolescents. Although this course is designed primarily for prospective teachers, all majors are welcome.

ENG 382. Varieties of Literary Response (3) Prerequisite: ENG 102 or ENG 103 and six additional hours of English courses at the 200 level or above, or consent of instructor. A range of written and oral responses to poetry, fiction, and drama. Student participation in such approaches as role-playing, collaborative problem-solving, dramatization, visualization, and parody. This course is designed for prospective teachers.

ENG 383. Classics Reconsidered (3) Prerequisite: Six hours of literature courses at the 200 level or above, or consent of instructor. Study of classic long works of poetry, fiction, and drama commonly taught in high school English classes. May include such works as Beowulf, The Canterbury Tales, Macbeth, The Rime of the Ancient Mariner, Silas Marner. Especially recommended for prospective teachers.

ENG 384. The Literature of Popular Culture (3) Prerequisite: Six hours of English courses at the 200 level or above, or consent of instructor. Critical study of popular literature as it reflects the meanings and values that shape the perception of reality for the majority of people within a culture. Includes texts in both print and film from various time periods and countries.

ENG 385. Psychology in Literature (3) Prerequisite: Six hours of literature courses at the 200 level or above. Works of literature which have as their theme or which exemplify the psychological state of their characters. Particular attention is paid to the depiction of such psychological problems as neurosis, psychosis, and depression.

ENG 390. Selected Topics in Literature (3) Prerequisite: Six hours of English at the 200 level or above, or consent of instructor. A selected literary theme, movement, period, influence, or genre. May be repeated once under a different subtitle.

ENG 420. History of Literary Criticism and Theory (3) Prerequisite: Junior or senior standing and three hours of literature at the 300-400 level, or consent of instructor. A study of the major critical and theoretical statements that have been influential in how we think about literary texts, beginning with Plato and proceeding to major statements of the twentieth century.

ENG 425. Critical Theory and Practice (3) Prerequisite: Junior or senior standing and three hours of literature at the 300-400 level, or consent of instructor. An introduction to representative twentieth-century literary theories and practice in applying them to various texts.

ENG 430. (504) The Age of Chaucer (3) Prerequisite: Nine hours of literature courses, including ENG 211 and at least three hours at the 300-400 level, or consent of instructor. A survey of works written in medieval England. Included are The Canterbury Tales, selections from Chaucer's other works, and representative works in such genres as chronicle, biography, epic, romance, dream vision, and drama.

ENG 431. (505) The Age of Elizabeth (3) Prerequisite: Nine hours of literature courses, including ENG 211 and at least three hours at the 300-400 level, or consent of instructor. English literature of the sixteenth and early seventeenth centuries. Works studied include poetry by Spenser and Shakespeare, plays by Marlowe and Jonson, and prose by More and Sidney.

ENG 432. (506) The Age of Milton (3) Prerequisite: Nine hours of literature courses, including ENG 211 and at least three hours at the 300-400 level, or consent of instructor. Emphasis on the works of Milton. Also includes works by Donne, Herbert, and Bacon.

ENG 445. (CRW 445) (THR 445) Playwriting II (3) Prerequisite: ENG 316 (CRW 316) (THR 316), or consent of instructor. Advanced techniques of playwriting with an emphasis on full-length plays; the writing of an original full-length play.

ENG 462. (507) Studies in the Novella (3) Prerequisite: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor. Types of novella or short novel, with emphasis on its distinctive features and development as a genre. Works from a variety of periods, authors, and traditions.

ENG 463. (508) Studies in Nonfiction (3) Prerequisite: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor. Types of nonfiction prose, including biography, autobiography, memoirs, journals, and various essay forms. Works from a variety of periods, authors, and traditions.

ENG 490. (509) Special Topics in Literature (3) Prerequisite: Nine hours of literature courses, at least three hours at the 300-400 level, or consent of instructor. Selected theme, movement, period, influence, or genre. May be repeated once under a different subtitle.

ENG 491. (CRW 491) Directed Individual Study (1-3) Prerequisite: Nine hours of literature or writing courses (depending on project focus), at least three of which are at the 300-400 level; overall GPA of at least 2.00; junior or senior standing; and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Study section in this catalogue.

ENG 495. Senior Seminar in Literature/Language (3) Prerequisite: Senior standing, plus nine hours of ENG courses in literature or language, including at least three hours at the 300 level or above, or consent of instructor. Intensive study of a topic in literature or language. Emphasis on individualized work, which may include reports, a longer research project, and appropriate bibliographic assignments. Required of English majors in the Literature and Language Option; fulfills seminar requirements for majors in the General and Teacher Licensure Options. May be repeated once under a different subtitle.

ENG 496. (CRW 496) Senior Seminar in Writing (3) Prerequisite: Senior standing, plus nine hours of writing courses beyond ENG 102 or ENG 103, including at least three hours at the 300 level or above, or consent of instructor. Workshop leading to production of a senior manuscript in prose or poetry and public reading of selected work. Required of English majors in the Professional and Creative Writing Option; fulfills seminar requirement for majors in General and Teacher Licensure Options. May be repeated once under a different subtitle.

ENG 498. (CRW 498) Internship in Writing (3-6) Prerequisite: ENG 102 or ENG 103, and nine additional hours of writing courses, of which at least three hours are at the 300-400 level. Academic training and practical writing experience through work in a private company or public agency. Faculty supervision and evaluation of all study and on-site activity. Open to students of junior or senior standing in all majors who have been approved by the faculty internship advisor.

ENG 499. (CRW 499) Honors Work in English (2-3) Prerequisite: Eligibility for honors program and nine hours of literature or writing courses (depending on project focus), at least three hours at the 300-400 level. Independent study for honor students.

For 292 and 492, see explanation on p. 151, 94.

Environmental Studies Course Descriptions

(College of Arts and Sciences)

EVS 120. (GLY 120) Environmental Geology (3) Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities.

EVSL 120. (GLYL 120) Environmental Geology Laboratory (1) Prerequisite or corequisite: GLY 120. Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. Three laboratory hours each week and required field trips.

EVS 195. Introduction to Environmental Studies (3) Interdisciplinary introduction to the scope and application of environmental studies. Emphasis will be placed on an integrated analysis of environmental principles and discussions centering on current environmental problems.

EVS 325. (ECN 325) Environmental Economics (3) Prerequisite: ECN 125 or 221 and consent of instructor. Application of economic concepts to environmental problems; common property resources, public goods, and technological externalities as determinants of market failure; institutional alternative involving economic incentives.

EVS 360. (REC 360) Natural Resources Recreation Management (3) Prerequisite: REC 265 or declared EVS major or consent of instructor. The history, development, legislation and management of natural resource-based recreation areas. Management techniques used by federal, state and municipal recreation resource agencies highlighted.

EVS 362. (BLA 362) Environmental Law (3) An examination of the purposes, methodology, and impacts of the environmental regulatory process, ranging from the traditional common law remedies to novel approaches such as the pollution rights markets. Students will gain a fundamental understanding of the context of environmental law.

EVS 370. (PSY 370) Environmental Psychology (3) Prerequisite: PSY 105. Interactions between the physical environment and behavior of the individual. Emphasis on perception of the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.

EVS 416. (SOC 416) Human Ecology (3) Prerequisite: SOC 105 and six additional hours in sociology. A theory of community structure based on societal evolution as shown through the referential concepts of population, organization, environment and technology. An analysis of the spatial, temporal, functional and relational configuration of human communities.

EVS 485. Special Topics in Advanced Environmental Science (1-6) Prerequisite: Junior or senior standing and EVS 195 or consent of instructor. Selected topics in environmental science not covered in detail in regular course offerings. May be repeated for a maximum of six semester hours.

EVS 490. Senior Project (1-6) Prerequisite: Senior standing and permission of instructor. A research project and seminar under the supervision of a committee of environmental studies faculty. The project should involve the investigation of a current problem in the Environmental Studies field, and the preparation of a written report on the findings.

EVS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

EVS 495. Seminar in Environmental Studies (3) Prerequisite: Junior or senior standing in environmental studies, and consent of instructor. Individual reports and group discussions of the results of student field, laboratory or library research on selected topics in environmental planning and policies.

EVS 498. Internship in Environmental Studies (1-12) Prerequisite: Senior standing. Synthetic approach to the study of environmental science. Development of the "holistic" view of the environment, its interrelationship with science, technology, and society in a seminar format. Involves a work experience with an agency or organization in the area of environmental science.

EVS 499. Honors Work in Environmental Studies (2-3) Prerequisite: Senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, explanation on p 151, 94.

Finance Course Descriptions

(Department of Economics and Finance)

FIN 235. Personal Finance (3) Study of individual and family financial decisions. Designed to prepare the student to exercise intelligent control over income, expenditures, borrowing, savings and investments. Recommended elective for non-business majors. (Not open to students who have earned credit for FIN 330.)

FIN 330. Principles of Investments (3) Prerequisite: ACG 201 and ECN 222. An introduction to alternative investments, with major emphasis on financial instruments. Practical descriptive material and relevant theoretical applications. Topics include stocks, bonds, and other financial alternatives.

FIN 331. Real Estate (3) Prerequisite: ACG 201 and ECN 222. Principles of property management and practices relating to appraisal, sales, ownership, control, financing, and transfer of real property.

FIN 332. Risk Management and Insurance (3) Prerequisite: ACG 201 and ECN 222. An introduction to the risk management function and to the basic methods used to handle risks facing the business enterprise, families and individuals. Emphasis is on the insurance method of handling risk with study of the concepts underlying insurance, the fundamentals of insurance contracts, and a broad selection of policy coverages in the property and liability, and life and health fields.

FIN 335. Principles of Financial Management (3) Prerequisite: ACG 203, PDS 217, and ECN 222. An introduction to the finance function of business enterprise and to the analytical techniques used in making investment and financing decisions.

FIN 336. Intermediate Corporate Finance (3) Prerequisite: FIN 335. The study of the theory and practice of corporate finance with special emphasis on the evaluation and financing of capital expenditures. Topics include cash flow determination, firm valuation, the Capital Asset Pricing Model, and an introduction to option pricing.

FIN 410. Financial Statement Analysis (3) Prerequisite: FIN 335. An examination of the conceptual background and analytical tools necessary to understand and interpret financial statements. Students will learn how to access, manipulate, and analyze financial statement data from various databases.

FIN 430. Investment Management (3) Prerequisite: FIN 330 and 335. An analytical approach to the valuation of stocks, bonds and options and the placement of those securities in Markowitz-efficient portfolios. Technical and fundamental analysis, market efficiency and valuation methods are examined. Both application and theory are emphasized.

FIN 431. Real Estate Investment Analysis (3) Prerequisite: FIN 335. The decision making process in real estate investment analysis including risk and return, financing alternatives, tax implications, and pricing and development alternatives.

FIN 433 (ECN 433) Introduction to Speculative Markets (3) Prerequisite: ECN 324 and FIN 335 or permission of instructor. Elementary economics of financial futures and options markets. Mechanics of trading and coverage of existing regulations. Pricing and strategies in options and futures contracts in the markets for financial assets and commodities. Hedging, risk management and valuation.

FIN 436. Advanced Financial Management (3) Prerequisite: FIN 330 and 336. Financial analysis and decision making in the modern business organization. Theoretical foundations of financial decision making are emphasized, including both working capital and fixed capital requirements.

FIN 437. Commercial Bank Management I (3) Prerequisite: ECN 324 and FIN 335. A study of commercial bank operations and the regulatory environment of banking. Topics will include the evolution of regulation in the United States, industry structure, analysis of bank financial statements, asset/liability management, and capital requirements. Course material will be augmented with cases and a bank simulation game.

FIN 438. Commercial Bank Management II (3) Prerequisite: FIN 437. This course is a continuation of FIN 437. Topics covered include the lending function of commercial banks, credit analysis, bank mergers and acquisitions, and international banking. Cases augment the lecture material.

FIN 439. Multinational Financial Management (3) Prerequisite: FIN 335. An examination of the issues affecting the financial managers of multinational corporations. Topics include managing foreign exchange risk, international financial decisions, and factors affecting foreign direct investment.

FIN 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

FIN 495. Senior Seminar in Finance (3) Prerequisite: FIN 436 and senior standing. An examination of current problems in finance. Course content will vary as new techniques are developed to respond to a dynamic financial environment.

FIN 498. Internship in Finance (1-6) Prerequisite: Senior status and consent of department chairperson. Involves the application of financial concepts in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

FIN 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Foreign Languages and Literatures Course Descriptions

(Department of Foreign Languages and Literatures)

FLL 105. English as a Second Language (3) Prerequisite: Consent of instructor (based on language proficiency test score). Development of English language proficiency of non-native speakers attending the university. Extensive exposure to reading, writing, speaking, and listening activities.

French Course Descriptions

(Department of Foreign Languages and Literatures)

FRH 101-102. Introductory French (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken French; reading, writing, and basic conversation. Fall and spring.

FRH 105. French for Travelers (3) General interest course, but designed specifically for those planning to travel in a French-speaking country. Emphasis on practical communication, current vocabulary and colloquial expressions. Realia and audio-visual aids used extensively. Course may be structured to answer specific individual needs.

FRH 120. Fundamentals of French (3) Prerequisite: Appropriate department placement test score. A fast-paced approach to the achievement of a basic active command of the language. Aural-oral practice: intensive study of the fundamental structure of the language; reading, writing and basic conversation. For students with limited previous study of the language.

FRH 201-202. Intermediate French (3-3) Prerequisite: FRH 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

FRH 209. French Literature in Translation: Topics (3) Representative works from the literature of France and the French-speaking world. Readings and class discussions in English. May be repeated under a different subtitle.

FRH 301. Conversation (3) Prerequisite: FRH 202 or equivalent. Practice in the use of everyday French for enrichment of functional vocabulary and improved fluency. Extensive use of authentic materials; situational communicative exercises.

FRH 302-303. Grammar and Composition (3-3) Prerequisite: FRH 202 or equivalent. Thorough study of French grammatical structures and nuances, with attention to the contrasts between French and English. Intensive practice in writing, including editing and rewriting.

FRH 306. Reading Strategies (3) Prerequisite: FRH 202 or equivalent. Strategies for improving reading skills and the interpretation of a wide range of texts from current advertisements, newspapers, and periodicals to traditional literary genres.

FRH 308. French Linguistics (3) Prerequisite: FRH 202 or equivalent. An introduction to the phonetics, phonology, morphology, and syntax of French; emphasis on the French sound system, pronunciation, and intonation.

FRH 311. French Civilization (3) Prerequisite: FRH 202 or equivalent. Geographical, historical, and cultural aspects of France from prehistoric times to the present; oral and written reports.

FRH 321, 322. Survey of French Literature (3,3) Prerequisite: FRH 202 or equivalent. Extensive readings covering the main currents of French literature; emphasis in classroom discussion on textual analysis and criticism; oral and written reports.

FRH 405. Advanced Conversation and Composition (3) Prerequisite: FRH 301 or equivalent. Emphasis on oral French, essay writing and translation.

FRH 411. Topics in French Studies (3) Prerequisite: FRH 322 or equivalent. Discussion and interpretation of significant topics of French culture through an interdisciplinary approach. Oral and written reports. May be repeated under a different subtitle.

FRH 412. The Francophone World (3) Prerequisite: FRH 322 or equivalent. Study of representative literary and non-literary texts, films and sound recordings from French-speaking cultures in North America, the Caribbean, Africa, Asia, and elsewhere. Oral and written reports.

FRH 420. Topics in French Literature (3) Prerequisite: FRH 322 or equivalent. The study of a selected literary theme, movement, period, influence, figure, or genre. Oral and written reports. May be repeated once under a different subtitle.

FRH 437. Masterpieces of French Poetry (3) Prerequisite: FRH 322 or equivalent. Reading, discussion and analysis of representative works of French Poetry. Oral and written reports.

FRH 438. Masterpieces of French Drama (3) Prerequisite: FRH 322 or equivalent. The theatre in France from the Renaissance to modern times. Representative texts; oral and written reports.

FRH 439. Masterpieces of French Prose Fiction (3) Prerequisite: FRH 322 or equivalent. Representative works of imaginative French Prose from the 17th century to the present; oral and written reports.

FRH 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

FRH 495. Seminar in French Literature (1-3) Prerequisite: FRH 322 or equivalent. Intensive study of a selected topic in literature. Individualized research, which may include informal

and formal presentations, reports, a substantial research project. May be repeated under a different subtitle.

FRH 498. Internship in French (3 or 6) Prerequisite: Junior standing and consent of instructor. A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills. A maximum of six credit hours may be applied to the degree in French.

FRH 499. Honors work in French (2-3) Prerequisite: Senior standing and eligibility for honors program. Independent study for honors students.

German Course Descriptions

(Department of Foreign Languages and Literatures)

GER 101-102. Introductory German (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice, intensive study of the basic patterns of spoken German; reading, writing and basic conversation.

GER 120. Fundamentals of German (3) Prerequisite: Appropriate department placement test score. A fast-paced approach to the achievement of a basic active command of the language. Aural-oral practice: intensive study of the fundamental structure of the language; reading, writing, and basic conversation. For students with limited previous study of the language.

GER 201-202. Intermediate German (3-3) Prerequisite: GER 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

GER 209. German Literature in Translation: Topics (3) Study of representative works from the literature of the German-speaking world. Readings and class discussions in English. May be repeated under a different subtitle.

GER 211. Germany Today (3) The institutions, customs, and current events in the Federal Republic of Germany. (Taught in English.)

GER 305. Conversation and Composition (3) Prerequisite: GER 202 or consent of instructor. Intensive training in spoken and written German.

GER 311. German Civilization (3) Prerequisite: GER 202 or equivalent. Geographical, historical, political and cultural aspects of Germany from the beginnings to the twentieth century.

GER 431. The Classics (3) Prerequisite: GER 202 or equivalent. Works selected from the German classical period. Authors include: Goethe, Schiller, Lessing and Kleist.

GER 432. The Romantics (3) Prerequisite: GER 202 or equivalent. Works selected from the German romantic period. Authors include: Tieck, Eichendorf, Novalis, and Hoffmann.

GER 434. The Moderns (3) Prerequisite: GER 202 or equivalent. Works selected from around 1900. Authors include: Schnitzler, Hoffmannsthal, Bahr, Mann and Rilke.

GER 436. Contemporary Literature (3) Prerequisite: GER 305 or equivalent. Works selected from the latter half of the twentieth century. Authors include: Grass, Bîll, Brecht, Frisch, Dürrenmatt, and Walser.

GER 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

GER 495. Seminar in German Studies (1-3) Prerequisite: GER 305 or equivalent. Intensive study of a selected topic in German Studies. May be repeated under a different subtitle.

GER 498. Internship in German (3) Prerequisite: Junior standing and consent of instructor. A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

Geography Course Descriptions

(Department of Earth Sciences)

GGY 130. Introduction to Physical Geography (4) Spatial distribution of environmental elements and processes, including weather and climate, groundwater, soils, rocks, plate tectonics, landforms, and vegetation. Three lecture and two laboratory hours each week.

GGY 140. Introduction to Human Geography (3) Survey of the geography of human settlement patterns and activity throughout the world. Emphasis on relationships between physical environments and different facets of human culture, including population, resources, regional development, urban growth, and political, linguistic, and religious patterns.

GGY 180. World Geography I (3) Regional survey of historical, physical, economic, and cultural geography of Europe and the Americas. Fundamental locational geography as the foundation for a clear world view and an understanding of global interdependence.

GGY 181. World Geography II (3) Regional survey of historical, physical, economic, and cultural geography of Africa, Asia, and Oceania. Fundamental locational geography as the foundation for a clear world view and an understanding of global interdependence.

GGY 210. Economic Geography (3) Human economic activities, their location and relationships to physical and economic conditions of the environment.

GGY 230. Introduction to Weather and Climate (3) Examination of general climatic characteristics through space and time, especially as influenced by controls upon temperature, wind and moisture distributions, and by planetary, regional and local atmospheric disturbances.

GGY 245. Tourism Geography (3) Examination of the tourism industry, including ecotourism, as well as its impact on natural and social environments. Various international examples, with emphasis on the local tourism industry.

GGY 255. Geography of the Middle East (3) Geographical, geological, historical and archaeological investigation of the physical environment and cultural landscapes that provide the settings for the evolution of the populations and cultures of Southwestern Asia.

GGY 270. Principles of Land Use Planning (3) Prerequisite: GGY 130 and 140 or consent of instructor. Introduction to planning techniques and to planning as a profession. Classification and analysis of spatial variations in land use patterns and development processes as they relate to the physical environment and human activities.

GGY 280. Special Topics in Geography (1-3) Prerequisite: GGY 130 or 140, or 180 or 181. Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings. More than one topic may be taken for credit (maximum six hours).

GGY 282. Geography of North Carolina (3) Prerequisite: GGY 140 or consent of instructor. A survey of the physical and cultural landscapes of North Carolina with the emphasis on an understanding of the complex geographical variety that exists within a dynamic and growing southern state.

GGY 312. Geography of Transportation (3) Prerequisite: GGY 140 or consent of instructor. Study of the structural elements of transportation systems and the spatial processes associated with their development.

GGY 317. Urban Geography (3) Prerequisite: GGY 140 or consent of instructor. Analysis of the spatial distribution, growth, function and structure of urban places with emphasis on urban developments and problems in the United States.

GGY 320. Introduction to Cartography (4) Prerequisite: GGY 130 or GGY 140. Techniques of drafting, cartographic data representation, map design and interpretation. Two lecture and four laboratory hours each week.

GGY 322. Aerial Photography and Remote Sensing (3) Prerequisite: GGY 130 or GLY 101. Introduction to the use of aerial photography and other remote sensing techniques to analyze topography, geology, vegetation and culture. Two lecture and three laboratory hours each week.

GGY 325. Quantitative Methods in Earth Sciences (3) Prerequisite: STT 205 or 215. Use and interpretation of statistical techniques in geographic and geologic research. The course emphasizes problem identification, data collection and interpretation through assignments covering specific kinds of statistical methods.

GGY 333. Applied Climatology (4) Prerequisite: GGY 130 or 230 or consent of instructor. The spatial distribution and character of climates, their relation to other elements of the environment and to human activities. Three lecture and two laboratory hours each week.

GGY 335. (GLY 335) Introduction to Geomorphology (4) Prerequisite: GGY 130 or GLY 101. Description and classification of land forms; analysis of the geologic, climatic and biologic factors involved in their formation; survey of geomorphic provinces of the United States. Three lecture and two laboratory hours each week.

GGY 340. Resources, Population, and Environment (3) Prerequisite: GGY 130 or consent of instructor. Introduction to major views on population growth and resource use with a focus on food, water, and energy. Explores the role of economic and cultural development and analyzes regional patterns, including migration trends.

GGY 350. Political Geography (3) Prerequisite: GGY 140 or consent of instructor. Study of geographic factors in the development of nations and in contemporary national and international affairs.

GGY 382. Regional Geography of the United States (3) Prerequisite: GGY 140 or consent of instructor. A regional analysis of physical characteristics, resource base and human geography of the United States.

GGY 385. Regional Geography of Europe (3) Prerequisite: GGY 140 or HST 102 or consent of instructor. A regional analysis of the physical and cultural features of Europe.

GGY 388. Regional Geography of Post-Soviet Eurasia (3) Prerequisite: GGY 140 or consent of instructor. Regional analysis of the physical and human geography of the new countries of the former USSR. Special emphasis on ethnoterritorial and environmental problems.

GGY 452. Historical Geography of the United States (3) Prerequisite: HST 201, or GGY 140, or consent of instructor. A study of the evolution of the cultural landscapes and the spatial patterns of the area that is now the United States. Examination of past geographies and of geographical change through time.

GGY 473. Regional and Environmental Land Use Planning (3) Prerequisite: GGY 270. Overview of the concepts and processes related to the regional growth and development. Review of regional land use issues; discussion of planning strategies; and evaluation of regional land use plans and policies.

GGY 478. Historic Preservation Planning (3) Prerequisite: GGY 270, or 352, or consent of instructor. An applied research course which deals with the procedures employed by federal, state and local agencies in locating, recording, restoring and preserving American architectural resources and material cultural heritage. Subjects examined include survey, documentation, and planning; historic districts; adaptive use; funding; legislation; and organizational roles.

GGY 480. Advanced Topics in Geography (1-3) Prerequisite: Junior standing and consent of instructor. Selected physical, cultural, regional, or applied topics in geography that are not considered in detail in regular course offerings. More than one topic may be taken for credit (maximum six hours).

GGY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

GGY 495. Senior Seminar (1-3) Prerequisite: Senior standing in geography. May be repeated one time for credit. One to three hours each week.

GGY 499. Honors Work in Geography (2-3) Prerequisite: Eligibility for honors program and recommendation of department chairperson. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 151, 94.

Geology Course Descriptions

(Department of Earth Sciences)

GLY 101. Physical Geology (4) Study of the earth and the moon; constitution of the earth's crust; weathering, erosional and depositional processes; mountain building forces and the earth's internal composition. Field trips. Three lecture and two laboratory hours each week.

GLY 102. Historical Geology (4) Prerequisite: GLY 101 or 120 and GLYL 120. Geologic history of the earth; methods of interpreting the past; ancient environments; development and evolution of life. Required field trips. Three lecture and three laboratory hours each week.

GLY 120. (EVS 120) Environmental Geology (3) Introduction to the relationships between man and his geologic environment. Concerned with the problems that people have in using the earth and the reaction of the earth to that use. Emphasis is placed on earth processes, earth resources, and properties of rocks and surficial deposits insofar as they are important to or affect human activities.

GLYL 120. (EVSL 120) Environmental Geology Laboratory (1) Prerequisite or corequisite: GLY 120. Laboratory analysis of earth materials and resources. Applications of geologic principles to solving current environmental problems. Three laboratory hours each week and required field trips.

GLY 131. Dinosaurs (2) Study of the Dinosaurs and other Mesozoic vertebrates as illustrations of the basic principles of vertebrate paleontology. Emphasis is placed on identification, systematics, evolution, ecology and extinction of the Dinosaurs.

GLY 135. Prehistoric Life (3) Introduction to the field of paleontology and the fossil record; the succession of life from its earliest beginnings through the Age of Dinosaurs to modern Man; evolutionary, environmental and ecological analyses of fossil plants and animals based on biologic and geologic principles.

GLY 150. Introduction to Oceanography (3) An introduction to the geology, physics, chemistry and biology of the ocean; instruments and techniques of oceanography; resources of the ocean.

GLY 200. Methods in Geology (3) Prerequisite: GLY 101. Introduction to various bibliographic, graphic, field, and laboratory methods essential to geologic studies. Weekly projects and required field trips.

GLY 201. Mineralogy (4) Prerequisite: GLY 101: Corequisite: CHM 101, including laboratory. Principles of chemical bonding in natural solids; crystal chemistry; physical conditions of mineral genesis; geologically significant mineral associations; crystallography; mineral identification. Required field trips. Three lecture and three laboratory hours each week.

GLY 220. Field Methods in Environmental Sciences (3) Prerequisite: GLY 101 or GGY 130; and MAT 111. Field intensive introduction to data collection methods and analytic procedures associated with monitoring, assessment and management of environmental problems. Required field trips. Two lecture and three laboratory hours each week.

GLY 310. General Petrology (4) Prerequisite: GLY 200, 201, or consent of instructor. A survey of the major igneous, sedimentary, and metamorphic rock groups. Emphasis is on classification, textural features, mode of occurrence, environments of origin and economic importance. Laboratory stresses rock identification and typical rock associations. Required field trips. Three lecture and three laboratory hours each week.

GLY 311. Igneous and Metamorphic Petrology (4) Prerequisite: GLY 200, 201. Theories of genesis of the major igneous and metamorphic rocks in the light of chemistry, mineralogy, structure and texture, field associations, and experimental data. The relationship between igneous and metamorphic processes and crust-mantle tectonic activity. Required field trips. Three lecture and three laboratory hours each week.

GLY 312. Sedimentary Petrology (4) Prerequisite: GLY 200, 201; Prerequisite or corequisite: GLY 337. Introduction to the identification, classification and origins of sediments and sedimentary rocks. Emphasis is placed on physical processes controlling sedimentation and study of modern and ancient depositional environments. Field trips. Three lecture and three laboratory hours each week.

GLY 335. (GGY 335) Introduction to Geomorphology (4) Prerequisite: GGY 130 or GLY 101. Description and classification of land forms; analysis of the geologic, climatic and biologic factors involved in their formation; survey of geomorphic provinces of the United States. Three lecture and two laboratory hours each week.

GLY 337. Invertebrate Paleontology (4) History of fossil protistans and invertebrates with emphasis on the principles of paleontology, systematics and evolution, and on the use of fossils in stratigraphic correlation. Required field trips. Three lecture and three laboratory hours each week.

GLY 391. Appalachian Geology (1) Prerequisite: GLY 101. Field study of the structure, stratigraphy, rocks, and paleontology of the Paleozoic System of the Appalachian geosyncline. Introduction to sample collection, field mapping procedures, and methods of data analysis. Three field days and colloquium. Spring. (Fees)

GLY 392. Coastal Plain Geology (1) Prerequisite: GLY 101. Field analysis of depositional patterns and paleontology of Cretaceous and Cenozoic units of the southeastern Atlantic Coastal Plain. Introduction to methods of litho-and biostratigraphic correlation, sampling techniques, and sample retrieval and data analysis. Three field days and colloquium. Fall. (Fees)

GLY 393. Coastal Processes (1) Prerequisite: GLY 101. Field examination of the depositional and erosional processes and materials in the marshes, estuaries and barrier islands of the Carolinas and Georgia. Introduction to basic techniques used by coastal researchers in field measurements, sample retrieval and data analysis. Three field days and colloquium. Spring. (Fees)

GLY 394. Piedmont Geology (1) Prerequisite: GLY 101. Field examination of the petrology, degree(s) of metamorphism, and structural style(s) of the various belts of rock in the crystalline Appalachians. Observations permit regional tectonic syntheses for the Piedmont. Three days and colloquium. Fall. (Fees)

GLY 402. Advanced Mineralogy (4) Prerequisite: GLY 201; Corequisite: MAT 112 or permission of instructor. Advanced techniques for mineral analysis and identification. Introduction to the theory and application of x-ray diffraction and fluorescence, the electron microprobe, spectroscopy, and reflected light microscopy. Three lecture and three laboratory hours each week.

GLY 420. (PHY 420) Global Climate Change (3) Prerequisites: PHY 102, CHM 102, MAT 162. Analysis of natural and anthropogenic global climate change. Historical and geological records of climate including sediment, tree ring, and ice core analysis. Physics and chemistry of climate, including Earth's energy balance, global carbon cycle, climate modeling, atmospheric composition and dynamics.

GLY 426. (526) Geohydrology (4) Prerequisite: MAT 162 and either GLY 310 or GLY 312. Geology of ground waters and related aspects of surface waters. Methods of ground water resource evaluation, protection, exploitation, and contaminant remediation. Three lecture and two laboratory hours each week.

GLY 431. Stratigraphy (4) Prerequisite: GLY 310 or GLY 312 or GLY 337. An introduction to the description, organization and classification of layered rocks. Emphasis is placed on the practical use of stratigraphic principles in elucidating earth history. Field trips. Three lecture and three laboratory hours each week.

GLY 440. (GLY 540) Regional Geology of North America (3) Prerequisite: GLY 431 or GLY 441. A survey of the rocks, structures, natural resources, fossils, and tectonic histories of different regions of North America, such as the Precambrian Shield, Appalachians, and Cordillera. Syntheses of theories of orogenesis. Three lecture hours per week.

GLY 441. Structural Geology (4) Prerequisite: GLY 200 and MAT 112 or permission of instructor. Introduction to the mechanics, fabrics, and geometry of rock deformation, including stress-strain relationships, folds and folding, and faulting and fracturing of rocks. Selected regional examples introduced to test concepts and theories of orogenic rock mechanisms and tectonics. Required field trip. Three lecture and three laboratory hours each week.

GLY 443. Tectonics (3) Prerequisite: GLY 310, GLY 431, and GLY 441. Current ideas and their development as global tectonic theories. Tectonic controls on orogeny, orogenic belts, magmatism, sedimentation, and metallogeny of major geologic regions of North America and other areas of the world.

GLY 458. (558) (BIO 487/587) Introduction to Coastal Management (4) Prerequisites: Junior standing or consent of instructors. Interdisciplinary study of human impact on coastal environments and organisms. Topics include the physical and biotic settings of worldwide coastal regions, principles of coastal management, current topics in coastal management, and analysis of potential solutions to coastal problems. Three lectures and three laboratory hours each week.

GLY 465. (565) Introduction to Geophysics (3) Prerequisite: GLY 200 or 220, MAT 112 or 115. Integrated application of geophysical methods to solve environmental and geologic problems. Includes discussion of reflection/refraction seismology, gravity, magnetics, electrical resistivity, ground penetrating radar, and geophysical well logging.

GLY 470. Field Course in Geology (6) Prerequisite: GLY 311-312 (or GLY 310), GLY 431, and GLY 441. Geologic field mapping in sedimentary, igneous, and metamorphic rocks. Topographic map and aerial photographic bases. Mapping exercises in selected localities in the southern Rocky Mountains. Six weeks during summer months as part of the UNC system-wide field course.

GLY 472. (572) Introduction to Geochemistry (3) Prerequisite: MAT 162, GLY 201 or CHM 445. Abundance and distribution of chemical elements in the earth. Introduction to thermodynamics, phase and mineral equilibrium, isotopes, and geochronology. Application of geochemical processes to solving geologic and environmental problems.

GLY 480. Advanced Topics in Geology (1-4) Prerequisite: Junior standing in department and consent of instructor. Study of selected topics in geology that are not considered in detail in regular course offerings. Examples of specific topics are plate tectonics, seismology, depo-

sitional systems, groundwater hydrology, geochronology, and advanced paleontology. Taught on demand. More than one topic may be taken for credit (maximum 6 hours.)

GLY 489. The Dynamic Earth (3) Prerequisites: Senior standing with a major in geology and completion of 15 hours in the major from courses at the 200 level and above. Synthesis of the Earth's physical, biological and chemical systems and their changes through time. Examines significant discoveries and current areas of controversy in the geological sciences.

GLY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

GLY 495. Senior Seminar (1-3) Prerequisite: Senior standing with a major in geology and completion of eighteen hours in the major from courses at the 200-level and above. May be repeated one time for credit.

GLY 499. Honors Work in Geology (2-3) Prerequisite: Eligibility for honors program and recommendation of department chairperson. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 151, 94.

Gerontology Course Description

(College of Arts and Sciences)

GRN 101. Introduction to Gerontology (3) Introduction to the social, psychological, physiological, and philosophical aspects of aging through reading, writing, and field work.

GRN 491. Directed Individual Study (3) Prerequisite: GRN 101, overall GPA of at least 2.00, and consent of instructor, gerontology coordinator, and the appropriate dean. Gerontological investigation, under faculty supervision, beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Health Course Descriptions

(Department of Health, Physical Education and Recreation)

HEA 105. Individual Well-Being (3) Topical areas and issues in health explored within the physical, emotional, social, environmental, intellectual, and spiritual dimensions of personal wellness.

HEA 201. First Aid, Safety, and Cardiopulmonary Resuscitation (2) A course for certification by the American Red Cross in first aid, safety and cardiopulmonary resuscitation. Requires fees for American Red Cross processing and a personal basic first aid kit. One lecture and one lab hour each week.

HEA 205. Reproduction and Sexuality (3) Prerequisite: HEA 105. Emphasizes the anatomy and physiology of reproduction, conception, prenatal growth and parturition; relevant issues pertaining to human sexuality, childbearing and sexual diseases.

HEA 207. Nutrition (3) The main focus of this course will be the application of the principles of nutrition as related to health, various levels of wellness, and practices of health care. Emphasis on basics of sound nutrition, requirements of various food elements, diet planning, diet patterns for specific age groups, nutritional fads and weight control.

HEA 234. Principles of Health Education (3) An introduction to health education program planning, implementation, and evaluation in various health promotion settings. Focuses on responsibilities and strategies of entry-level health educators.

HEA 304. Comprehensive School Health Education, Grades K-5 (3) An overview of the school health education program. Emphasis on methods and materials for health instruction in grades K-5.

HEA 305. Comprehensive School Health Education, Grades 6-12 (3) An overview of the school health education program. Emphasis on methods and materials for health instruction in grades 6-12.

HEA 320. HIV/AIDS, Issues and Choices (3) Prerequisite: HEA 105. An in-depth look at HIV infection and AIDS from a variety of perspectives with special emphasis on prevention. Focus on the development of personal behaviors that reduce the risk of HIV transmission. Addresses in detail the effects of AIDS nationally and globally, modes of exposure, vaccines, economic liabilities, prejudices, current epidemiology, and future trends.

HEA 325. Health and Aging (3) Prerequisite: GRN 101. An introduction to health characteristics of the aging population. Topics include biomedical changes of various body systems and lifestyle factors such as nutrition, stress, drugs, exercise and sexuality.

Honors Course Descriptions

(Honors Program)

HON 110. Freshman Interdisciplinary Honors Seminar (3) Prerequisite: Formal enrollment in the Honors Program or consent of the director. Introduces the honors student to the college experience by direct involvement in research, service and leadership activities. The nature of knowledge; the concept of a university; how a university education changes individuals and affects the future. Includes field experiences, collaborative learning and independent scholarship. Emphasis on discussion; required student projects.

HON 120. Honors Enrichment (1) Prerequisite: Formal enrollment in the Honors Scholars Program or consent of the director. Students attend a variety of visual/performing/cultural events and enrichment activities on the campus and in the community. By direct contact, students have the opportunity to broaden their educational experience in both traditional and contemporary forums. Discussion and brief written assignments. May be repeated for a maximum of two semester hours.

HON 210. Topical Interdisciplinary Honors Seminar (3) Prerequisite: Formal enrollment in the Honors Scholars Program or consent of the director. An in-depth investigation of a special topic using the approaches of several disciplines; may be team-taught. Topics and approaches vary. Examples are "Preparing for the 21st Century"; "The Sixties"; "Nature: Literature and Science"; "Debating Race and Social Justice"; "The World's Oceans." May be repeated under different subtitles.

History Course Descriptions

(Department of History)

HST 101,102. Western Civilization (3,3) 101: History of Civilization to 1650. 102: History of Civilization from 1650 to the present.

HST 103. Introduction to Global History (3) An introduction to the global effects of colonialism, industrialism and nationalism with special emphasis on Asia, Africa, Latin America and the Middle East since 1500.

HST 201, 202. American History (3,3) 201: United States to 1865. 202: United States from 1865 to present.

HST 237. Women in Modern America (3) Survey of the female experience from the mid-nineteenth century to the present. A focus on three areas which affect the lives of modern women: work, politics and sexuality. Differences between the first and second woman's movement, the sexual revolutions of the 1920s and 1960s, and the changing nature of women's work in modern and post-modern society are explored in a comparative context.

HST 261. Afro-American History (3) A concise survey of the major themes and events in the history of black Americans from the colonial period to the present.

HST 271. The Sea in History (3) The history of human interaction with the sea, focusing on its importance for resources, trade and transport, exploration, and warfare.

HST 273. Evolution of Warfare (3) The development of war from ancient times to the present, emphasizing its effect upon society.

HST 275. History of Science Since 1500 (3) An introduction to the history of the major developments in western science from the scientific revolution to the present, including an examination of both the origins of scientific discoveries and their impact on society.

HST 290. The Practice of History (3) An exploration of the nature of historical inquiry and of the techniques and methods essential to the study and writing of history.

HST 300. War and the United States (3) Prerequisite: HST 201-202 or consent of instructor. Examination of the role of war in the development of the United States from the colonial period to the present. Includes the development of an identifiably American understanding of war and the relationship of the military to society.

HST 301. Foreign Policy of the United States (3) Prerequisite: HST 201-202 or consent of instructor. The formation and implementation of American foreign policy, including the relationship between foreign policy and American political culture, and the impact of foreign perspectives on U.S. foreign policy.

HST 305. The Ancient Near East (3) Prerequisite: HST 101-102 or consent of instructor. An intensive political and cultural study of ancient Babylonian, Egyptian, and other Near Eastern civilizations.

HST 306. Ancient Greece and Rome (3) Prerequisite: HST 101-102 or consent of instructor. A study of the civilization of ancient Greece and Rome with special emphasis on the Greek classical period and the Pax Romana.

HST 311. History of England to 1485 (3) Prerequisite: HST 101-102 or consent of instructor. The history of England from the arrival of the Celtic tribes to the assumption of power by the Tudors in 1485. Emphasis on the political, social, and religious developments of the High Middle Ages.

HST 312. History of England 1485-1815 (3) Prerequisite: HST 101-102 or consent of instructor. The history of England from the assumption of power by the Tudors in 1485 to the victory over Napoleon in 1815. Emphasis on the theme of continuity and change in political, social, and economic life.

HST 313. History of England 1815 to Present (3) Prerequisite: HST 101-102 or consent of instructor. The history of England from Waterloo to the present. Emphasis on the impact of industrialization and urbanization, the gradual democratization of British politics, the expansion and contraction of the British Empire, the impact of world war, the rise of the welfare state, and post-industrial society.

HST 315. History of Modern Ireland (3) Prerequisite: HST 101-102 or consent of instructor. A survey of the history of Ireland from the end of the Elizabethan wars and the establishment of the Ulster plantation through the divergent twentieth-century experience of the Republic and Northern Ireland.

HST 316. British Empire and Commonwealth (3) Prerequisite: HST 101-102 or consent of instructor. A consideration of the British Empire, evolution of the Commonwealth and the emergence of additional post-World War II areas of independence.

HST 319. History of Spain (3) Prerequisite: HST 101-102. Survey of Spanish history with particular attention to Early Modern and Modern Periods. From the Alfonsine era and Reconquista through the Golden Age, decline, Fascism and democracy.

HST 321. History of Modern France (3) Prerequisite: HST 101-102 or consent of instructor. History of France from the French Revolution and Napoleon through the political, economic and social developments of the nineteenth century to the World Wars of the twentieth century.

HST 322. History of Germany 1648-1890 (3) Prerequisite: HST 101 and 102 or consent of instructor. The emergence of modern Germany from the end of the Thirty Years' War through the Bismarckian empire. Topics include the rise of Prussian absolutism, the Enlightenment in Germany, the impact of the French Revolution, Romanticism, the revolutions of 1848, unification, and constitutional problems of the empire.

HST 323. History of Germany 1890 to Present (3) Prerequisite: HST 101 and 102 or consent of instructor. Germany from the end of Bismarck's chancellorship to the present. Topics include World War I, German Expressionism, the failure of Weimar democracy, the rise of the Nazis, defeat and division, rebuilding in East and West, the collapse of communism, and reunification.

HST 325. Russia to 1881 (3) Prerequisite: HST 101-102 or consent of instructor. History of Russia from its origins to 1881. Topics includes the Mongol Conquest, statebuilding, foreign policy, popular and intellectual opposition to serfdom.

HST 326. Russia Since 1881 (3) Prerequisite: HST 101-102 or consent of instructor. History of Russia from 1881 to the present. Topics include the impact of emancipation, growth of revolutionary movement, revolutions of 1917, the Stalin years, post-Stalin reforms, end of Soviet Union.

HST 330. Womanhood in America: Family, Work and Community Life (3) Prerequisite: HST 201-202 or consent of instructor. An examination of American women and women's roles from the colonial period to the present.

HST 331. American Urban history (3) Prerequisite: HST 201-202 or consent of instructor. The transition in America from a pre-industrial rural society to an industrial urban society. This course explores the effect urbanization had upon America's social, political and economic institutions and concludes with an examination of how the "revolution" in transportation and technology shaped the design of American cities.

HST 332. American Environmental History (3) Prerequisite: HST 201-202 or consent of instructor. The significance of the environment in American history from the colonial period to the present. Emphasis on the relationship between the natural environment of North America and the development of American culture and society, as well as changing attitudes toward the natural environment.

HST 333. American Social History (3) Prerequisite: HST 201-202 or consent of instructor. The impact of social change on American life from colonial times to the present. An examination of changing concepts of ethnicity and racial identification, the growth of religious movements, the effect of industrialization on family life, the impact of urbanization on crime and violence, and the influences of movies and television on mass behavior.

HST 339. Economic History of the United States (3) Prerequisite: HST 201-202 or consent of instructor. An historical study of American agriculture, labor, industry, transportation, and banking with emphasis on the relation of the government to the economy.

HST 341. North Carolina 1524 to 1835 (3) Prerequisite: HST 201-202 or consent of instructor. Political, economic and social development of North Carolina from the colonial and federal period to the Constitution of 1835.

HST 342. North Carolina 1835 to the Present (3) Prerequisite: HST 201-202 or consent of instructor. Political, economic and social development of North Carolina in the nineteenth and twentieth centuries.

HST 343. Wilmington: A Study of Development (3) Prerequisite: HST 201-202 or consent of instructor. The city of Wilmington, North Carolina, and its environs from geological beginnings through approximately 1970. Wilmington is used as an example of major historical trends with emphasis on the twentieth century.

HST 345. (P&R 352) Religion in Antebellum America (3) Prerequisite: HST 201 or P&R 242 or consent of instructor. The influences and meanings of religion in antebellum American society. Topics include Second Great Awakening, expansion of Protestant and Catholic churches, communitarian movements, religious responses to slavery.

HST 346. The Old South (3) Prerequisite: HST 201-202 or consent of instructor. The South from the colonial period to the Civil War with emphasis on political, economic, and social institutions distinctive to the South.

HST 347. The New South (3) Prerequisite: HST 201-202 or consent of instructor. Aftermath of Reconstruction, rise of the New South, effects of industrialism, continuation and decline of sectionalism.

HST 348. History of the American West (3) Prerequisite: HST 201 and 202 or consent of instructor. American social, political, and economic institutions in the trans-Mississippi West. Topics include the American frontier, Native American and Hispanic cultures, women and minorities, and the Western environment. Individuals and government are examined.

HST 349. American Indian History (3) Prerequisite: HST 201 and 202 or consent of instructor. North American Indian cultures and history from the pre-Columbian era to the present. Topics include Indian social, political, and economic life, religion and worldview, and gender roles; European and American interaction; development of federal Indian policy and the Indian response; status of Indians in contemporary America.

HST 350. Southeastern Indians (3) Prerequisite: HST 201-202 or consent of instructor. The history and culture of the Native American peoples of the Southeastern United States from prehistoric times to the present using ethnohistory, a methodology that fuses history and anthropology.

HST 351. (P&R 351) Religion in Early America (3) Prerequisite: HST 201 or P&R 242. Examination of the role and significance of religion in early American culture and society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.

HST 352. Colonial History of the U.S. (3) Prerequisite: HST 201-202 or consent of instructor. Formation and growth of American colonies to the conclusion of the French and Indian War (1763).

HST 353. The American Revolution and Formation of the United States, 1763-1815 (3) Prerequisite: HST 201-202 or consent of instructor. Organization of the British Empire, events preceding the Revolution, the war for independence, Confederation era, drafting and ratification of the U.S. Constitution, politics of the new nation.

HST 354. The Antebellum U.S. (3) Prerequisite: HST 201-202 or consent of instructor. Study of U.S. history from the War of 1812 through the advent of the Civil War. Major topics include Jacksonian Democracy, reform movements, national expansion, immigration, sectionalism, and the political crisis of the 1850s.

HST 355. The Civil War and Reconstruction (3) Prerequisite: HST 201-202 or consent of instructor. Examination of the origins, conduct, and significance of the Civil War, and Reconstruction through 1877.

HST 356. Robber Barons and Reformers: the U.S. from 1877 to 1917 (3) Prerequisite: HST 201-202 or consent of instructor. The rise of American industry and the Populist-Progressive responses to urbanization and industrialization.

HST 357. The United States from World War I through World War II (3) Prerequisite: HST 201-202 or consent of instructor. A study of the United States from 1917 to 1945 with emphasis on World War I, cultural change in the 1920s, the Great Depression, the New Deal, and World War II.

HST 358. The United States Since 1945 (3) Prerequisite: HST 201-202 or consent of instructor. Developments in American politics, cultural life, civil rights,and foreign policy from the time of the Truman Administration to the present.

HST 359. (P&R 353) Religious Reform in Modern America (3) Prerequisite: HST 202 or P&R 242, or consent of instructor. Religious thought and action concerning social change in modern America. Topics include urban revivalism, labor, civil rights, and peace movements. Emphasis on differing interpretations of scripture, church teachings, and religious identity.

HST 360. History of China (3) Prerequisite: Any two of the following: HST 101, 102 or 103; or consent of instructor. Survey of the history of China: the evolution of characteristic Chinese institutions and modes of thought from antiquity to the present within a wider framework of political, economic and cultural change; Chinese responses to western imperialism in modern times; revolutionary transformation in modern contemporary China.

HST 361. History of Japan (3) Prerequisite: Any two of the following: HST 101, 102 or 103; or consent of instructor. Survey of Japanese history from the earliest recorded times to the present emphasizing Japan's development as a cultural daughter of China; Japanization of Chinese culture and unique aspects of Japanese civilization; the emergence of a modern economy and state economic bases of Japanese militarism-imperialism; developmental characteristics of Japanese capitalism.

HST 363. History of Premodern East Asia (3) Prerequisite: HST 101 or 103, or consent of instructor. Survey of East Asia history from ancient times to the mid-nineteenth century, with emphasis on China and Japan and secondary attention to Korea and Vietnam.

HST 365. History of Modern East Asia (3) Prerequisite: HST 101-102 or consent of instructor. A survey of modern east Asian history from the mid-nineteenth century to the present with emphasis on the Asian response to western imperialism, institutional continuity and change, international relations, and movements toward independence and modernization. The course focuses on China, Japan and Korea with secondary attention to Southeast Asia in the post-World War II era.

HST 368. Latin American History (3) Prerequisite: An American or Western Civilization survey course or consent of instructor. The development of South America, Central America, and the Caribbean from the time of the pre-Conquest civilizations to the present.

HST 369. History of Brazil (3) Prerequisite: HST 103 or consent of instructor. A study of Brazilian history from its pre-Columbian beginnings through the periods of Portuguese colonial rule, the Empire, and dictatorship and democracy in the twentieth century.

HST 370. History of the Caribbean (3) Prerequisite: HST 103, or consent of instructor. Survey of indigenous societies, European incursions, plantation life and culture, revolution and independence, slave emancipation, economic, political and racial concerns from European contact to the present.

HST 371. African History to 1800 (3) Prerequisite: HST 102, 103 or consent of instructor. Historical survey of African history from earliest times to 1800 with emphasis on the precolonial period. Topics include early civilizations; the rise of Islam; initial European contacts; and the slave trade.

HST 372. History of Modern Africa (3) Prerequisite: HST 102, 103 or consent of instructor. Historical survey of African history from 1800 to the present with emphasis on the abolition of slavery and the slave trade; the scramble for Africa; establishment and operation of colonial rule; independence movements; and the post-colonial period.

HST 373. History of Southern Africa (3) Prerequisite: HST 102 and 103 or consent of instructor. Southern African history from earliest times to the present. Topics include early African and European inhabitants, the Zulu empire, mineral revolutions, regional conflicts, apartheid and African resistance to minority rule.

HST 374. History of West Africa (3) Prerequisite: HST 103, or consent of instructor. Survey of West Africa from earliest times to the present. Topics include early inhabitants, trans-Saharan trade, Muslim empires, precolonial kingdoms and peoples, slavery and the slave trade, colonialism, independence and recent events.

HST 378. Historic Preservation Planning (3) An applied research course which deals with the procedures employed by federal, state, and local agencies in locating, recording, restoring, and preserving American architectural heritage and material cultural resources. Subjects examined include: survey, documentation, and planning; historic districts; adaptive use; funding; legislation; and organizational roles.

HST 379. European International Relations 1648-1914 (3) Prerequisite: HST 101-102 or consent of instructor. The emergence and evolution of the European state system from the end of the Thirty Years War to the origins of World War One. Topics include the rise of the great powers, the classical European balance of power, mercantilism, rise of modern warfare, and the impact of industrialization.

HST 380. Twentieth Century International Relations (3) Prerequisite: One of the following: HST 102, 103, 202, or consent of instructor. Historical analysis of the main techniques, goals, and practitioners of international relations from World War I to the present, stressing shifts in the balance of power, ideological competition, alliance systems, international organizations, peace movements, and new methods of conflict resolution.

HST 381. History of Early Islamic Societies (3) Prerequisite: HST 101, 102, 103, or consent of instructor. Historical survey of the Middle East from pre-Islamic Arabia through the rise of the Ottoman Empire. Topics include the rise and development of empires, their political institutions and trade patterns; Islamic theology and law; and cultural achievements.

HST 382. History of the Modern Middle East (3) Prerequisite: HST 103 or consent of instructor. Historical survey of the modern Middle East, with emphasis on the rise of Europe's interests there, colonialism, independence, the rise of the nation-state. Includes consideration of Arab nationalism, the Palestine-Israeli conflict, the Middle East as an arena for the Cold War, political Islam, gender relations and the Gulf war.

HST 383. Women and Gender in the Modern Middle East (3) Prerequisite: HST 103 or consent of the instructor. Historical survey of the roles of women in the Middle East and the many interpretations of those roles. Topics may include the European fascination with the harem and the veil; women and the nation-state; women in revolutionary contexts; women and labor; women and veiling. While the primary emphasis is on Arab, Muslim women, Arab Christians and Israeli women are also examined.

HST 384. History of Palestine and Israel (3) Prerequisite: HST 103 or consent of the instructor. Historical survey of the region from the nineteenth century through the present. The rise and spread of Zionism and Arab nationalism; the British Mandate; the uprising of 1936; 1949 and establishment of Israel; the wars of 1967 and 1973; the rise of the PLO and struggle with Lebanon; the intifada and the Oslo Accords; Jewish and Islamic extremism.

HST 385. History of Islamic Art and Architecture (3) Prerequisite: HST 101, 102, 103 or consent of instructor. Historical survey of Islamic societies from the seventh century through the present via a study of their architectural forms and art works. Cities, architectural trends and art from the Umayyad, Abbasid, Mughal and Ottoman Empires, as well as modern nation states, will expose students to a synthesis of material culture and written records.

HST 390. Medieval Civilization (3) Prerequisite: HST 101-102 or consent of instructor. An examination of medieval Europe from the fall of Rome to the fifteenth century. Emphasis on the development of feudalism, manorialism, and the universal authority of the Catholic Church.

HST 392. Europe in the Renaissance and Reformation (3) Prerequisite: HST 101-102 or consent of instructor. Examination of the profound intellectual, cultural, political and social changes of the period 1350-1618. Topics include Humanism, Italian Renaissance, Northern Renaissance, new monarchies, Protestant Reformations, Catholic Reformation, religious wars, and science.

HST 394. Europe in the Seventeenth and Eighteenth Centuries (3) Prerequisite: HST 101-102 or consent of instructor. Europe from the Thirty Years War to the French Revolution. Topics include mercantilism; intellectual and cultural developments; social transformation; colonialism; decline of Spain; dominance of Netherlands and France; English constitutional government; Scientific Revolution; Enlightenment; emergence of northern, central, and eastern Europe; enlightened despotism.

HST 396. Europe from 1789 to 1914 (3) Prerequisite: HST 101-102 or consent of instructor. The French and Industrial Revolutions and their social and political impact; the rise of nationalism and empires; capitalism and its critics; the changing balance of powers; the coming of the First World War.

HST 398. Europe in the Twentieth Century (3) Prerequisite: HST 101-102 or consent of instructor. Europe from World War I to the rise of consumer societies. Topics include both world wars, nationalisms, communisms, fascisms, and mass consumption.

HST 408. (548) Seminar: Medieval Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Medieval Europe (500-1500).

HST 412. (552) Seminar: Renaissance and Reformation Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Renaissance and Reformation Europe (1350-1618).

HST 414. (554) Seminar: Early Modern Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Early Modern Europe (1618-1789).

HST 416. (556) Seminar: Nineteenth-Century Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Europe from the French Revolution to the First World War.

HST 418. (558) Seminar: Twentieth-Century Europe (3) Prerequisite: HST 101-102, 290. Research-oriented exploration of major themes and issues in the history of Europe since 1914.

HST 440. (518) Seminar: U.S. Social History (3) Prerequisite: HST 201-202, 290. Intensive study of selected topics in U.S. social history. Examples of topics: African-Americans, immigrants, social movements, education, work and leisure, sexuality. May be repeated under a different subtitle.

HST 442. (525) Seminar: U.S. Economic History (3) Prerequisite: HST 201-202, 290. Intensive study of significant themes or events in U.S. economic history from the colonial period to the present. Examples of topics: economy of Colonial America, 19th-century labor movements, economy of the Antebellum South, agricultural history. May be repeated under a different subtitle.

HST 444. (526) Seminar: U.S. Political History (3) Prerequisite: HST 201-202, 290. Intensive study of selected facets of political theory, behavior, movements, and institutions, and how political power has been used to influence the development of society. Examples of topics: New Deal politics, third-party movements, U.S. Constitution. May be repeated under a different subtitle.

HST 446. (527) Seminar: U.S. Diplomatic History (3) Prerequisite: HST 201-202, 290. Intensive examination of fundamental principles, assumptions, and objectives in the conduct of U.S. foreign policy, and of how Americans have viewed their place in the international order at various moments in their history. Examples of topics: the diplomacy of World War II, the Cold War, arms control and disarmament. May be repeated under a different subtitle.

HST 448. (528) Seminar: U.S. National Security History (3) Prerequisite: HST 201-202, 290. Intensive examination of major themes and events in the evolution of U.S. national security and defense policy, the uses of national power, and the role of military affairs from the colonial period to the present. Examples of topics: the Vietnam War, the use of air power, U.S. imperialism. May be repeated under a different subtitle.

HST 450. (529) Seminar: U.S. Intellectual History (3) Prerequisite: HST 201-202, 290. Intensive examination of the role of ideas in American history. Examples of topics: radicalism, the Enlightenment, myth in American history, and ideas about democracy, ethnicity, equality, religion, gender. May be repeated under a different subtitle.

HST 454. (531) Seminar: U.S. Regional History (3) Prerequisite: HST 201-202, 290. Intensive examination of the economic, social, and political history of a specific region of the United States. May be repeated under a different subtitle.

HST 456. (533) Seminar: U.S. Environmental History (3) Prerequisite: HST 201, 202, 290, or consent of instructor. Selected topics in U.S. environmental history. Examples of topics: nature and culture, the cult of the wilderness, conservation and preservation, resources and regions, gender and nature, the environmental movement. May be repeated under a different subtitle.

HST 470. (570) Introduction to Public History (3) Prerequisite: HST 201-202, 290. A research seminar of public history (government/public policy, archives, and information management, cultural resources management, media and research organizations), and research methodologies. Field trips, guest speakers and a sponsored research project provide practical experience for participants.

HST 480. (580) Topics in Public History (3) Prerequisite: HST 201-202, 290. Intensive study of selected themes in public history. Examples of topics: business history, public policy analysis and interpretation of the landscape. May be repeated under a different subtitle.

HST 481. (581) Topics in African History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in African history. Examples of topics: slavery, the slave trade and its abolition, pre-colonial Africa, colonial and post-colonial Africa, oral history in Africa. May be repeated under a different subtitle.

HST 483. (583) Topics in Middle Eastern History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in Middle Eastern history. Examples of topics: early Islamic conquests, the Ottoman Empire, the Arab-Israeli conflict. May be repeated under a different subtitle.

HST 485. (585) Topics in Latin American History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in Latin American history. Examples of topics: pre-Columbian civilizations, colonial rule under Spain and Portugal, nationalism, revolutionary movements. May be repeated under a different subtitle.

HST 487. (587) Topics in Global History (3) Prerequisite: HST 103, 290. Intensive study of a selected theme in global history. Examples of topics: colonialism, imperialism, industrialization, slavery, revolutionary movements. May be repeated under a different subtitle.

HST 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

HST 495. (595) Seminar (3) Prerequisite: HST 290. Intensive study of historical topics not regularly covered in other courses. May be repeated under a different subtitle.

HST 496. (586) Topics in the History of Science and Technology (3) Prerequisite: HST 275 or consent of instructor. Intensive study of a selected theme in the History of Science and Technology. Examples of topics include: "Positivism", "Occult Studies and the Renaissance", "The Second Industrial Revolution". May be repeated under a different subtitle.

HST 497. (597) Topics in Asian History (3) Prerequisite: HST 103, 290. Intensive study of selected themes and events in Asian history not regularly covered in other courses. Examples of topics include: The Chinese Revolution, Meiji Japan, Gandhian thought, nationalist movements. May be repeated under a different subtitle.

HST 498. Internship in Public History (3) Prerequisite: HST 290 or HST 470, junior or senior standing, and consent of instructor. Supervised practical experience with a public or private historical organization, agency or institution. Area of concentration, requirements, and means of evaluation to be defined in consultation with faculty.

HST 499. Honors Work in History (2-3) Prerequisite: Senior standing. Consent of instructor or department chairperson. Individual study of honors students.

For 292 and 492; 294 and 494, see explanations on p 151, 94.

International Studies Courses

(Cross Disciplinary)

INT 294. International Student Exchange (12) Sophomore-level designation for UNCW students participating in a semester exchange program in another country.

—294. Departmental Study Abroad (3-6) Sophomore-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix to the number and lists the course(s) in the coming semester's schedule of classes.

INT 494. International Student Exchange (12) Senior-level designation for UNCW students participating in a semester exchange program in another country.

—494. Departmental Study Abroad (3-6) Senior-level designation for non-catalogue courses offered by a department abroad. Department attaches its prefix to the number and lists the course(s) in the coming semester's schedule of classes.

Italian Course Descriptions

(Department of Foreign Languages and Literatures)

ITN 101-102. Introductory Italian (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Italian; reading, writing, and basic conversation.

ITN 201. Intermediate Italian I (3) Prerequisite: ITN 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation, and readings.

ITN 202. Intermediate Italian II (3) Prerequisite: ITN 201 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

Japanese Course Descriptions

(Department of Foreign Languages and Literatures)

JPN 101-102. Introductory Japanese (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Japanese; reading, writing, and basic conversation.

JPN 201-202. Intermediate Japanese (3-3) Prerequisite: JPN 102 or equivalent. A review of the structure of the language. Application in composition, conversation, and readings.

Latin Course Descriptions

(Department of Foreign Languages and Literatures)

LAT 101-102. Introductory Latin (3-3) Emphasis on achievement of an active knowledge of the Latin language and reading ability in classical Latin. Intensive study of Latin grammar, aural/oral practice; reading from Latin authors, especially Ovid; discussions to introduce the students to the literature, culture and society of ancient Rome.

LAT 201-202. Intermediate Latin (3,3) Prerequisite: LAT 102 or equivalent. A review of the grammatical structure of the language. Emphasis on developing reading skills through readings from various Latin authors.

LAT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

Leadership Course Description

(Department of Communication Studies)

LED 411. Contemporary Leadership Applications (3) Prerequisite: COM 311. Concepts related to leadership. Ability to envision and implement change for the common good using diverse perspectives and contexts. Applies leadership and organizational theories through real world experience and contemporary issues.

Mathematics Course Descriptions

(Department of Mathematics and Statistics)

In general, mathematics is sequential in nature. Therefore, successful mastery of each course in a sequence is necessary in order to be adequately prepared for the next course. In light of this, it is strongly recommended that students obtain a grade of at least "C-" before registering for the next course in a sequence. Sequences offered where this guideline is applicable are MAT 111-112, MAT 111-151, MAT 111-112-151-152, MAT 115-151-152, MAT 111-112-161-162-261, MAT 115-161-162-261. In order to complete these sequences, it is not necessary or appropriate to take additional courses: MAT 151, for example, should NOT be taken by a student planning to enroll in MAT 161.

Furthermore, taking certain lower numbered mathematics courses after successfully completing higher numbered courses is strongly discouraged. This statement applies to all sequences listed above. In addition, it is not appropriate to take MAT 151 after taking MAT 161, or to take MAT 366 after taking MAT 411.

MAT 100. Foundations of Algebra (0) Designed primarily for students not prepared for MAT 111 who need additional manipulative skills, particularly in algebra. Three hours each week. (No credit granted toward graduation. Hours are counted in computing student loads, but not in

computing quality point ratios.) This course is offered on campus through Cape Fear Community College (CFCC). Consequently, all students taking this course are required to pay tuition, fees, and charges as established by CFCC in addition to charges established by UNCW. UNCW collects these additional charges from the student and remits the amounts collected to CFCC.

MAT 101-102. College Mathematics for The General Student (3,3) A survey of mathematical ways of thinking. Introduces logic, number systems, algebra, geometry, probability, statistics, computers, calculus, and the history of mathematics. Emphasis on concepts and applications rather than on manipulative skills. Not intended as preparation for further mathematics courses. (Cannot be substituted for MAT 111, 112, or 115. No credit granted after the completion, with a grade of "C-" or better, of a mathematics course numbered 141 or higher.

MAT 111. College Algebra (3) Prerequisite: Satisfactory performance on the UNCW mathematics placement test. A preparatory course for further mathematics courses. Equations and inequalities; polynomial, exponential and logarithmic functions; graphs; systems of equations. (No credit granted after the completion, with a grade of "C-" or better, of MAT 115 or a mathematics course numbered 151 or higher.)

MAT 112. Trigonometry (3) Prerequisite: MAT 111 or equivalent or satisfactory performance on the UNCW mathematics placement test. Topics from trigonometry and algebra. Includes trigonometric functions, identities and equations; zeros of polynomials, mathematical induction; sequences. (No credit granted after the completion, with a grade of "C-" or better, of MAT 115 or a mathematics course numbered 152 or higher.)

MAT 115. Precalculus (3) Prerequisite: Satisfactory performance on the UNCW mathematics placement test. (This is usually equivalent to an SAT score above 500 in math, and at least a "B" average in algebra I and II, geometry, advanced algebra and trigonometry.) Functions and their inverses, mathematical induction, exponential and logarithmic functions, polynomial and rational functions, trigonometric functions and their inverses. (No credit granted after the completion, with a grade of "C-" or better, of MAT 111, MAT 112, or a mathematics course numbered 151 or higher.)

MAT 141-142. Basic Concepts of Mathematics (3-3) Real number system and related operations, units of measurement, graphs and data analysis, geometry, logic and sets, and introduction to calculators and computers.

MAT 151-152. Basic Calculus with Applications (3-3) Prerequisite: for MAT 151: MAT 111 or 115 or the equivalent preparation in algebra; for MAT 152: MAT 112 or 115 or the equivalent preparation in algebra and trigonometry and MAT 151. Differentiation and integration of algebraic and certain transcendental functions, partial differentiation, sequences and series. Greater emphasis on techniques and applications than on theory and derivations. Not intended for students who need mathematics beyond calculus.

MAT 161-162. Calculus with Analytic Geometry (4-4) Prerequisite: MAT 112 or 115 or equivalent preparation in algebra and trigonometry. Calculus of a single variable intended for students in the mathematical and natural sciences. Functions and limits; differentiation with applications including maxima and minima, related rates, approximations; theory of integration with applications; transcendental functions; infinite sequences and series; conic sections, parametrized curves and polar coordinates; elementary differential equations. Three lecture and two hour laboratory hours each week.

MAT 243. Concepts and Applications of Discrete Mathematics (3) Prerequisite: MAT 142; MAT 151 or MAT 161. Open only to majors or pre-majors in elementary, middle school, special, or health and physical education. Introduction to discrete mathematics. Includes graph theory; matrix operations and applications; linear programming; iterative and recursive techniques; counting techniques; series and sequences; equivalence relations; calculator-based programming. Interdisciplinary applications include social sciences, industry, and networks.

MAT 261. Multivariate Calculus (4) Prerequisite: MAT 162. Calculus of functions of several variables. Vectors and analytic geometry of three dimensional space; partial derivatives, gradients, directional derivatives, maxima and minima; multiple integrals; line and surface integrals, Green's Theorem, Divergence Theorem, and Stokes' Theorem. Three lecture and two laboratory hours each week.

MAT 275. Axiomatic Systems (3) Prerequisite: MAT 152 or 161. An introductory treatment of logic and methods of proof. Elementary set theory, relations, functions, cardinality, the real number system and topics from axiomatic systems. Emphasis on precision in the language of mathematics and rigor in proofs. Students gain experience in communicating mathematics through presentations.

MAT 321. Number Theory and Its Applications (3) Prerequisite: MAT 275 or CSC 133. Introduction to the theory of numbers motivated by applications. Primes and divisibility; the Euclidean algorithm; linear congruences and the Chinese Remainder Theorem; Fermat's Little Theorem; continued fractions and Farey sequences. Applications to cryptology, computer arithmetic, random number generators and primality testing. Possible additional applications to computer science, physics, communication, music.

MAT 325. (CSC 325) Numerical Algorithms (3) Prerequisite: CSC 112 or 121, and MAT 162. An introduction to the numerical algorithms fundamental to scientific computer work. Includes elementary discussion of error, polynomial interpolation, quadrature, linear systems of equations, solution of non-linear equations, and numerical solution of ordinary differential equations. The algorithmic approach and the efficient use of the computer are emphasized.

MAT 335. Linear Algebra and Matrices (3) Prerequisite: MAT 162. Systems of linear equations, vector spaces, algebra of matrices and linear transformations, determinants, applications.

MAT 336. Introductory Modern Algebra I (3) Prerequisite: MAT 275, 335 or consent of instructor. Study of group theory and introduction to rings. Groups, subgroups, normal subgroups, quotient groups, homomorphisms. Permutation groups, matrix groups, symmetry groups. Definition and examples of rings.

MAT 337. Introductory Modern Algebra II (3) Prerequisite: MAT 336. Elementary properties of rings, integral domains, ideals, homomorphisms, quotient rings and fields. Rings of polynomials and factorization of polynomials over a field; unique factorization domains; Eisenstein's irreducibility criterion; field extensions; the isomorphism extension theorem; the primitive element theorem; geometric constructions by ruler and compass; introduction and illustrations of Galois theory.

MAT 345. Modern College Geometry (3) Prerequisite: MAT 275 or consent of instructor. Use of elementary methods in advanced study of the triangle and circle, special emphasis on solving original examples, comparison of Euclidean and non-Euclidean and projective geometries.

MAT 346. Historical Development of Mathematics (3) Corequisite: MAT 275 or consent of instructor. Development of mathematics from earliest systems to present century. Personalities involved with the contributions of each. A problem-study approach to give the student some training in research.

MAT 361. Differential Equations (3) Prerequisite: MAT 261. Theory, methods of solution, and applications of ordinary differential equations with emphasis on first order equations and linear equations. Additional topics from power series solutions, Laplace transforms, linear systems, and numerical methods.

MAT 366. Advanced Calculus I (3) Prerequisite: MAT 261; corequisite: MAT 335. A thorough study of differential and integral calculus of vector-valued functions of a vector variable. Jacobians, inverse and implicit function theorems, change of variables in multiple integrals; theorems of Green, Gauss, and Stokes; applications.

MAT 367. Advanced Calculus II (3) Prerequisite: MAT 366. Further topics in analysis and their applications. Infinite series, power series, uniform convergence; Fourier series and orthogonal functions; Fourier and Laplace transforms; elementary applications to differential equations and boundary value problems. Introduction to complex variables and residue theory.

MAT 375. Combinatorics (3) Prerequisite: MAT 275 or CSC 133. Techniques for counting configurations of objects. Recurrence relations; principle of inclusion-exclusion; graphs, trees, and circuits. Additional topics chosen from Polya's Theorem, generating functions, and network flows.

MAT 411-412. (511-512) Real Analysis (3-3) Prerequisite: MAT 261, 275, and 335. Advanced study of convergence, continuity, differentiation, and integration in Euclidean space. The real number system, basic topology of Euclidean spaces; sequences and series; continuity, differentiation of vector-valued functions, uniform continuity; theory of integration; implicit and inverse function theorems, Stokes' Theorem.

MAT 415. (515) Introduction to Complex Variables (3) Prerequisite: MAT 367 or 411. A first study of functions of a complex variable. Algebra of complex numbers, elementary functions with their mapping properties; analytic functions; power series; integration, Cauchy's Theorem, Laurent series and residue calculus; elementary conformal mappings and boundary value problems.

MAT 418-419. (518-519) Applied Analytical Methods (3-3) Prerequisite: MAT 361 and 367. A thorough treatment of the solution of initial and boundary value problems of partial differential equations. Topics include classification of partial differential equations, the method of characteristics, separation of variables, Fourier analysis, integral equations and integral transforms, generalized functions, Green's functions, Sturm-Liouville theory, approximations, numerical methods.

MAT 421. (521) Number Theory I (3) Prerequisite: MAT 336. Use of algebraic techniques to study arithmetic properties of the integers and their generalizations. Primes, divisibility and unique factorization in integral domains; congruences, residues and quadratic reciprocity; diophantine equations and additional topics in algebraic number theory.

MAT 425. (525; CSC 425/525) Numerical Analysis (3) Prerequisite: MAT 325, 335, and 361. Introduction to the theoretical foundations of numerical algorithms. Solution of linear systems by direct methods; least squares, minimax, and spline approximation; polynomial interpolation; numerical integration and differentiation; solution of nonlinear equations; initial value problems in ordinary differential equations. Error analysis. Certain algorithms are selected for programming.

MAT 435. (535) Linear Programming (3) Prerequisite: CSC 112 or 121 and MAT 335. Methods and applications of optimizing a linear function subject to linear constraints. Theory of the simplex method and duality; parametric linear programs; sensitivity analysis; modeling and computer implementation.

MAT 436. (536) Discrete Optimization (3) Prerequisite: MAT 435. Theory and applications of discrete optimization algorithms. Transportation problems and network flow problems; integer programming; computer implementation.

MAT 451. (551) Topology I (3) Prerequisite: MAT 275 and 336. A study of the basic concepts of general topology. Metric spaces, continuity, completeness, compactness, connectedness, separation axioms, product and quotient spaces; additional topics in point-set topology.

MAT 457. (557) Differential Geometry (3) Prerequisite: MAT 366 or 411. Theory of curves and surfaces in Euclidean space. Frenet formulas, curvature and torsion, arc length; first and second fundamental forms, Gaussian curvature, equations of Gauss and Codazzi, differential forms, Cartan's equations; global theorems.

MAT 463. (563) Ordinary Differential Equations (3) Prerequisite: MAT 335 and 361. Advanced study of ordinary differential equations. Existence and uniqueness; systems of linear equations, fundamental matrices, matrix exponential; series solutions, regular singular points; plane autonomous systems, stability and perturbation theory; Sturm-Liouville theory and expansion in eigenfunctions.

MAT 465. (565; STT 465/565) Applied Probability (3) MAT 261 and STT 362. The formulation, analysis and interpretation of probablistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.

MAT 471. Projects in Mathematical Modeling (3) Prerequisite: MAT 361 or 435 or MAT/STT 465. Techniques of problem recognition and formulation, and mathematical solution and interpretation of results. Each student will construct a mathematical model under the supervision of the Applied Mathematics Advisory Committee and report on the investigation in written and oral form. Seminar format.

MAT 475. Topics in Mathematics (3) Prerequisite: Junior or senior standing and permission of instructor. Topics of current interest in mathematics not covered in existing courses. May be repeated under a different subtitle.

MAT 481. (581) Introduction to Mathematical Logic (3) Prerequisite: MAT 275 and 336. The formal study of truth and provability. Propositional calculus; predicate calculus. Godel's completeness theorem, applications to formal number theory and incompleteness. Additional topics chosen from areas such as undecidability or nonstandard analysis.

MAT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, at least a 3.00 average on all mathematics courses taken, junior or senior standing, and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

MAT 495. Seminar in Mathematics (1-3) Prerequisite: Junior or senior standing and consent of instructor. Investigation of and an oral report on a mathematical topic under the direction of a faculty member. Within the first four weeks of the semester enrolled, the student must submit an outline of the proposed work to the Mathematics Advisory Committee for approval.

MAT 498. Internship in Mathematics (1-3) Prerequisite: Overall GPA of at least 2.50, a GPA in MAT courses of at least 2.80, and at least nine hours of MAT courses numbered 300 or higher. Academic training and practical experience through work in a private company or public agency. Supervision and evaluation of all study and on-site activity by a faculty member and an on-site mentor. Open to students of junior or senior standing who have been approved by the faculty supervisor, department chair, and dean.

MAT 499. Honors Work in Mathematics (2-3) Prerequisite: Eligibility for honors program. Individual study for honor students.

For 292 and 492; 294 and 494, see explanations on p 151, 94.

MANAGEMENT COURSE DESCRIPTIONS

(Department of Management and Marketing)

MGT 350. Principles of Management (3) Prerequisite: Junior standing. Study of theories, research and concepts underlying the structure and processes of complex organizations. Emphasis on problem solving issues and applications in organization design, leadership, motivation and interpersonal communications.

MGT 352. International Management (3) Prerequisite: MGT 350. Study of management practices in the international business arena. Emphasis on the necessity of understanding global business interdependencies. Particular attention to developing sensitivity to other cultures, values, customs, and beliefs and their effects on business decisions and practices.

MGT 353. Entrepreneurship (3) Prerequisite: ACG 203, MGT 350 and MKT 340. Primary focus on starting a new business. Specific areas include identifying business opportunities, conducting feasibility studies, developing the business plan, evaluating alternative ways of financing new ventures and identifying the appropriate legal form of organization. Purchasing an existing business and acquiring a franchise are also addressed.

MGT 354. Managing Innovation and Technology (3) Prerequisite: MGT 350. Development and adoption of new technology in corporate operations. Attention directed to creating an environment that fosters continuous improvement through experimentation, innovation, and change. Topics include the nature of technology, its role in business strategy, technological forecasting, the creative process, organization and management of professional personnel, and project management techniques.

MGT 356. Human Resource Management (3) Prerequisite: MGT 350. Evaluation of concepts and approaches used in human resource management and development. Study of manpower planning, selection procedures, performance review, compensation and benefits, equal employment/affirmative action factors, and labor relations. Emphasis is on how personnel specialists and operating managers can improve organizational performance.

MGT 357. Hospitality Management (3) Prerequisite: MGT 350 or permission of instructor. The course provides a general overview of the hospitality industry and the issues related to successful management of businesses within this industry. In particular, these sectors include food service, lodging, entertainment, medical, and other related industries such as cruise lines and supplier industries. Special attention will be given to the hospitality sector in the Carolinas, and issues related to entrepreneurship within hospitality.

MGT 358. Organizational Behavior (3) Prerequisite: MGT 350. Application of behavioral science concepts in the management of organizations. Emphasis on increasing productivity on the individual, group, and organizational level. Particular attention directed to analyzing organizations, developing motivational programs, designing enriching jobs, leadership development, and managing organizational change.

MGT 450. Strategic Management (3) Prerequisite: MGT 350. Examination of strategy as an economic and planning process and as a matter of organizational decision making within a social, political and cultural process. Particular attention directed to examining the increasingly turbulent environment within these contexts.

MGT 451. Total Quality Management (3) Prerequisite: MGT 350 and (or as corequisite) MGT 358, or permission of instructor. Primary emphasis is on gaining an understanding of the concept and process of Total Quality Management (TQM) as an organizational culture and basis for strategy and operations. Particular emphasis is placed on acquiring the knowledge and interpersonal skills necessary to facilitate and institutionalize TQM rather than focusing on the technical aspects of the statistical process control tools typically used in the process. The course involves a high level of student interaction and participation in role modeling the concepts and using group collaborative process tools as a means of learning both the concepts and the tools.

MGT 453. New Venture Management: (3) Prerequisite: MGT 350, MKT 340, and FIN 335. Examination of the challenges associated with maintaining a high rate of growth in relatively new firms. Emphasis on new product and service development, financial planning and control, and operational aspects of new venture management including supplier relations, sources of funding, and credit practices.

MGT 455. Business Policy (3) Prerequisite: MGT 350, PDS 317, BLA 361, MKT 340, FIN 335. Senior level capstone course integrating the business functions. Case analysis, discussion, and presentations are utilized to prepare students for strategic decision making, planning for competitive advantage, communicating decisions, and planning effective implementation of strategies.

MGT 456. Employee-Management Relations (3) Prerequisite: MGT 350. Analysis of management techniques for the administration of labor agreements; study of collective bargaining and union-management relations; and evaluatoin of labor relations in union and non-union organizations. Case studies provide realistic experience for both private and public sector labor relations.

MGT 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

MGT 495. Senior Seminar (3) Prerequisite: Mgt 350 and senior standing. Special topics in management not regularly addressed in other management courses.

MGT 498. Internship in Management (1-6) Prerequisite: Senior standing and consent of faculty supervisor. Involves the application of management knowledge in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or not-for-profit organization and a faculty supervisor.

MGT 499. Honors work in Management (2-3) Prerequisite: Senior standing. Independent work for honors students.

Marketing Course Descriptions

(Department of Management and Marketing)

MKT 340. Principles of Marketing (3) Prerequisite: Junior standing. Introduction to the concepts, activities and decisions that relate to the marketing function in business and non-business organizations in domestic and international settings. Focus on development and implementation of marketing strategies through the use of marketing mix variables of product, price, place, and promotion.

MKT 341. Marketing Research (3) Prerequisite: PDS 217 and MKT 340. The development and utilization of marketing research techniques for decision making. Emphasis on the specification, accumulation, analysis, interpretation and presentation of information to help management understand the environment, identify problems and opportunities, and develop and evaluate courses of marketing action.

MKT 344. Distribution Management (3) Prerequisite: MKT 340. An introduction to physical distribution from an institutional and managerial perspective. Study of channel structure, legal factors, performance measurement, inventory control, and trends in the channel environment. Emphasis on the design and management of a physical distribution system.

MKT 346. Retail Management (3) Prerequisite: MKT 340. Examination of the principles and methods of retailing. Study of social, political, ethical, and economic environments. Emphasis on market segmentation, merchandising, and managerial control.

MKT 347. Promotion Management (3) Prerequisite: MKT 340. The promotion mix, with an emphasis on advertising and sales promotion, as a component of the marketing mix and overall organizational strategy from the perspective of the marketer, advertiser, agency, consumer and public.

MKT 348. Personal Selling (3) Prerequisite: MKT 340. Examination of the theory and practice of sales skills designed to provide a professional foundation to students who will be involved in personal selling careers. Includes fundamentals of personal selling with an emphasis on self-confidence, persuasive presentation of ideas and products, customer orientation, and other selling behaviors.

MKT 349. Consumer Behavior (3) Prerequisite: MKT 340. Behavioral science concepts and principles and how they contribute to effective and efficient marketing activities from the perspective of the consumer, marketer and public policy maker.

MKT 441. Database Marketing (3) Prerequisite: MKT 340 and PDS 313. An introduction to the application of database techniques and skills in creating customers and establishing and maintaining profitable customer relationships. The various ways databases can assist the marketing manager, e.g. direct marketing, promotion planning, segmentation and positions studies, etc., will be exhibited and explained. Focuses on the efficient expenditures of marketing resources and increasing marketing return on investment.

MKT 442. International Marketing (3) Prerequisite: MKT 340. Focus is on the special framework in which international marketing is conducted. Influence of international institutions, culture, stage of economic development, geography and demography are covered. Emphasis on multinational marketing problems and opportunities in an ever changing world.

MKT 445. Marketing Management (3) Prerequisite: MGT 350, MKT 341, six additional hours of marketing coursework, and senior standing. Concepts of demand analysis, formulating marketing strategy, establishing policies and procedures, coordinating marketing action, and evaluating performance.

MKT 447. Services Marketing (3) Prerequisite: MKT 340. A study of the marketing of services with emphasis on the distinctions that exist between marketing intangibles and tangible products. The managerial implications and strategies available in services marketing are also examined.

MKT 448. Sales Management (3) Prerequisite: MGT 350 and MKT 340. Focus on developing and maintaining an effective sales organization. Emphasis on the role of the salesperson, motivating the sales force, and designing and implementing selling strategies.

MKT 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

MKT 495. Seminar in Marketing (3) Prerequisite: Senior standing. Special topics in marketing not regularly addressed in other marketing courses.

MKT 498. Internship in Marketing (1-6) Prerequisite: Senior standing and consent of faculty supervisor. Involves the application of marketing knowledge in a "real world" setting. The participant receives hands-on experience under the joint guidance of a manager from a business or a not-for-profit organization and a faculty supervisor.

MKT 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Music Course Description

(Department of Music)

MUS 101. Theory I (2) Prerequisite: Placement test. Corequisite: MUSL 101. An in-depth study of the basic material of music, including the physics of sound, time classification, notation of pitch and rhythm, intervals, scales and modes, key signatures and triads. Three hours per week.

MUSL 101. Aural Skills, Keyboard, and Sight-Singing I (1) Corequisite: MUS 101. Includes melodic, harmonic and rhythmic dictation keyboard work, and sight-singing using the materials introduced in MUS 101. Two hours per week.

MUS 102. Theory II (2) Prerequisite: MUS 101. Corequisite: MUSL 102. A study of tonality, triads in inversions, phrase structure and cadences, harmonic progression, the technique of harmonization and non-harmonic tones. Three hours per week.

MUSL 102. Aural Skills, Keyboard, and Sight-Singing II (1) Prerequisite: MUSL 102 Corequisite: MUS 102. Includes melodic, harmonic, and rhythmic dictation, keyboard work, and sight-singing using the materials introduced in MUS 102. Two hours per week.

MUS 105. Rudiments of Music (3) A general survey of the basic materials of music, including the study of musical rudiments, listening experiences, sight-singing, keyboard, and other related activities. The course is designed for elementary education students, public school teacher recertification, music students who wish to prepare for MUS 101, and for students who wish to increase their knowledge of music.

MUS 115. Survey of Music Literature (3) Designed to increase the student's knowledge and appreciation of music; technical knowledge of music not required.

MUS 116. History of Jazz (3) A survey of the evolution of this American art form from its African roots and European influences to the present. Technical knowledge of music not required.

MUS 117. American Music (3) A survey of American composers, musicians, and music making (classical, folk and religious) from the earliest days of European settlement to the present. Technical knowledge of music helpful, but not required.

MUS 118. Survey of Electronic Music (3) A non-technical survey of electronic music, analytical study of compositions from recordings, and basic compositional methods utilizing the facilities of the UNCW Electronic Music Studio. Technical knowledge of music not required.

MUS 119. Popular Music of African-American Culture (3) A socio-cultural survey of urban African-American music, its performers, producers, and songwriters from 1945 to the present. Styles from rhythm and blues to rap music are examined within the context of the communities from which they evolved.

MUS 130. Chamber Music Workshop (1) Prerequisite: Consent of instructor and department chair. Small instrumental and vocal ensembles. Type of group depends upon availability of personnel. One-half hour weekly coaching, plus individual preparation of part, and weekly rehearsal with partner(s) adequate to prepare for coaching. Previous training required. May be repeated for credit.

MUS 133. Opera Workshop (2) Prerequisite: MUS 195-03 or consent of instructor. The musical preparation and staging of operatic scenes through dramatic interpretation, body movement, and improvisation. Three hours each week. May be repeated by music majors for a maximum of eight semester hours.

MUS 134. Choral Workshop (3) Survey of choral literature of all periods, including contemporary and popular, through performance, score study, and analytical listening.

MUS 140. Basic Piano for Non-Majors (1) Note reading, thythm, technique, other elements of elementary piano playing. Basic repertoire. No previous music study required. Two hours per week. May be repeated for credit.

MUS 141-142. Class Piano I (1-1) Prerequiste: Consent of instructor. Recommended for all students enrolled in MUS 101-102 and music majors who have not passed the piano proficiency examination. Laboratory hours as required.

MUS 143-144. Class Guitar (1-1) Prerequisite: Consent of instructor. Class instruciton in classical guitar. Piror experience is not required. Two laboratory hours each week.

MUS 146. Class Voice (1) Prerequisite: Consent of instructor. Singing techniques learned through vocal exercises and study of song literatur.e Two hours each week. Accumulative credit.

MUS 182. Accompanying (1) Prerequisite: Consent of instrutor. Accumulative credit limited to eight semester hours. Students will be assigned an instrumentalist or vocalist with whom to work. One hourly class meeting per week, plus accompanying for lesson of soloist and adequate rehearsal time with soloist per week to prepare for the lesson of the soloist.

MUS 183. Chamber Singers (1) Prerequisite: Audition by director. Select group chosen by audition. The singers study and perform the gamut of repertoire for smaller choir. Three rehearsal hours per week. May be repeated for credit.

MUS 184. Jazz Ensemble (1) Prerequisite: Consent of instructor and auditions by director. The study and performance of jazz techniques and interpretation of popular styles in large or small ensemble. (Intended for students who have had instrumental experience.) May be repeated for credit.

MUS 185. Wind Ensemble (1) Prerequisite: Auditions by director. Study and performance of music from the band repertoire, including a broad variety of styles, composers, and nationalities. Meets a minimum of two hours each week. May be repeated for credit.

MUS 186. Concert Choir (1) Prerequisite: Auditions by director. The singers study and perform repertoire of various historical periods and styles appropriate for large chorus. Three rehearsal hours each week. May be repeated for credit.

MUS 187. Orchestra (1) Auditions by director. Study and performance of the orchestral literature perforemed with the Wilmington Symphony Orchestra which meets for a minimum of two hours per week and gives an average of six performances per year. May be repeated for credit.

MUS 188. Pep Band (1) Prerequisite: Audition by director. Study and performance of music from the band repertoire, including a variety of styles and composers. Provide music and school spirit support at men's basketball home games. One two-hour rehearsal per week. May be repeated. Accumulative credit up to 8 hours.

MUS 195. Lower Level Applied Music, Private Lessons (1) Prerequisite Consent of Music Department Chair. One half-hour music lesson per week. Requires a minimum of five practice hours per week. Minimum of one laboratory hour each week. May be repeated for credit.

MUS 196. Lower Level Applied Music, Private Lessons (2) Prerequisite: Consent of Music Department chair. One-hour music lesson per week. Requires a minimum of ten practice hours per week. Minimum of one laboratory hour each week. May be repeated for credit. (This course is intended for music majors only.)

MUS 197. Lower Level Applied Music, Private Lessons (3) Prerequisite: Consent of Music Department chair. One-hour music lesson per week. Requires a minimum of fifteen practice hours per week. Minimum of one laboratory hour each week. May be repeated for credit. (This course is intended for music performance majors only.)

MUS 201. Theory III (2) Prerequisite: MUS 102. Corequisite: MUSL 201. A study of the musical process as observed in the literature of the common practice period. Based upon both structural and functional analyses as well as problem solving and controlled composition exercises. Includes secondary dominants, chromatic approach to chords and the concept of modulation. Three hours per week.

MUSL 201. Aural Skills, Keyboard, and Sight-Singing III (1) Prerequisite: MUSL 102. Corequisite MUS 201. Includes melodic, harmonic, and rhythm dictation, keyboard work, and sight-singing using the materials introduced in MUS 201. Two hours per week.

MUS 203. Composition (1 or 2) Prerequisite: Consent of instructor. A beginning study of compositional techniques though direct application in original compositions. One half-hour lesson per week, Accumulative credit.

MUS 218. Electronic Music Composition (2) Prerequisite: MUS 118. A study of basic recording and synthesizer techniques utilizing the facilities of the UNCW Electronic Music Studio.

MUS 225. Introduction to Music Education (1) Topics include a history of public school music education in the United States, philosophies of music education, curriculum developments, and career options in music education. Field observations and interviews.

MUS 226. Music Education for Elementary Teachers (3) Fundamentals of music theory, song accompaniment, classroom instrument techniques, and age-appropriate activities. Selection of materials, strategies for developing music perception and creativity, and enhancement of learning in other subject areas.

MUS 227. Music in Early Childhood (3) Overview of the elements of music and an introduction to singing and keyboard skills. Application of learning theories to musical development. Addresses methods, materials and evaluation.

MUS 235. Jazz Improvisation (2) Prerequisite: MUS 101-102 or consent of instructor. Development of materials and practice for improvisational skills in the jazz idiom. Open to any student with instrumental experience. Presentation in both lecture and performance format.

MUS 236. Jazz Improvisation II (2) Prerequisite: MUS 235 or consent of instructor. Materials and practices for further development of improvisational skills in the jazz idiom. Presentation in both lecture and performance format.

MUS 241-242. Class Piano II (1-1) Prerequisite: MUS 142 or consent of instructor based on placement. Recommended for all music majors who have not passed the piano proficiency examination. Two laboratory hours each week.

MUS 243. String Class (1) Prerequisite: Consent of instructor. Basic technique on violin, viola, cello, and string bass. Three hours per week.

MUS 245. Woodwind Class (1) Prerequisite: Consent of instructor. Basic technique on clarinet, flute, saxophone, oboe, and bassoon. Three hours per week.

MUS 247. Brass Class (1) Prerequisite: Consent of instructor. Basic technique on trumpet, French horn, trombone, and tuba. Three hours per week.

MUS 249. Percussion Class (1) Prerequisite: Consent of instructor. Basic technique on snare drum, timpani, mallet keyboards, and percussion section instruments. Three hours per week.

MUS 255. Church Music Literature (3) Prerequisite: Knowledge of music fundamentals. A survey of music literature of the Western church including a study of the historical function of various musical idioms and styles.

MUS 257. Service Playing (2) Prerequisite: Permission of instructor. Practical study of service playing: organ improvisations, modulations, and related problems.

MUS 272. Italian and German Diction for Singers (2) Italian and German phonetics, principles of lyric diction and sound production, and the international phonetic alphabet as it applies to Italian and German. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with Italian or German texts. Two and one-half hours of instruction per week.

MUS 273. French and English Diction for Singers (2) Prerequisite: MUS 272, or consent of instructor. French and English phonetics, principles of lyric dictionand sound production, and the international phonetic alphabet as it applies to French and English. General principles applicable to diverse periods, styles, and genres of "classical" vocal music set with French or English texts. Two and one half hours of instruction per week.

MUS 275, 276. Keyboard Literature I & II (3,3) Prerequisite: One year private keyboard instruction at the college level. A survey of keyboard literature in relation to contemporary pedagogical use. Historical evolution of instrument design included. 275: Beginning and intermediate keyboard literature of the 18th, 19th and 20th centuries. 276: Advanced literature of the 18th, 19th and 20th centuries.

MUS 285. Basic Conducting I (2) Prerequisite: MUS 102, MUSL 102, MUS 142. Conducting techniques, score-reading skills, issues of interpretation, and terminology. Three hours per week.

MUS 286. Basic Conducting II (2) Prerequisite: MUS 285. More advanced conducting techniques, score-reading skills, issues of interpretation, and terminology. Three hours per week.

MUS 300. Applications of Music Theory (2) Prerequisite: MUS 201 and MUSL 201. Corequisite: MUSL 300 Major analysis problems and introduction to counterpoint, arranging, and orchestration. Introduction to 20th-century materials. Three lecture hours per week.

MUSL 300. Applications of Aural and Keyboard Skills (1) Prerequisite: MUS 201 and MUSL 201. Corequisite: MUS 300. Dictation and transcription problems, sight-singing of hymns and choral works, sight-reading of instrumental works. Two laboratory hours per week.

MUS 301. Form/Analysis (3) Prerequisite: MUS 300. A study of forms common in Western music from 1600 to the present and the development of skills in anaylsis.

MUS 302. Modal Counterpoint (2) Prerequisite: MUS 301. A study of strict contrapuntal practice as observed in the church music of Palestrina, Lassus and other 16th-century composers. Includes writing in 2, 3, and 4 voices in imitative and non-imitative styles.

MUS 303. Tonal Counterpoint (2) Prerequisite: MUS 301. A study of contrapuntal practice as observed in the music of J.S. Bach and other 17th-and 18th-century composers. Includes analysis and composition of both invention and fugue.

MUS 306. Orchestration and Arranging (2) Prerequisite: MUS 300 and MUSL 300. Techniques of transcribing, arranging, and scoring music for various vocal and instrumental combinations. (Designed for music majors.)

MUS 307. Twentieth Century Idioms (2) Prerequisite: MUS 301. An indepth study of musical practice from 1900 to the present based upon both structural and functional analysis as well as problem solving and controlled compositional exercises. Includes quartal harmonies, mixed meters, texture and timbre as musical parameters, indeterminacy and serialism.

MUS 308. Jazz Arranging (2) Prerequisite: MUS 236, 300. Arranging and scoring the jazz combo, with emphasis on contemporary styles. Presentation in both lecture and performance format.

MUS 326. General Music Methods (3) Prerequisite: Junior standing in music education. Methodology for teaching music in the classroom: Orff, Kodaly, and Dalcroze methods, computer application; and music textbooks and materials for K-12. Includes middle and high school level non-performance music curriculum. One hour of field experience each week.

MUS 330. Chamber Music Workshop (1) Prerequisite: MUS 130 or 182 or commensurate experience, and consent of instructor and department chair. Small instrumental and vocal ensembles. Type of group depends upon available personnel. One-half hour weekly coaching, plus individual preparation of part, and weekly rehearsal with partner(s) adequate to prepare for coaching. Performance expected. May be repeated for credit.

MUS 331. Instructional Design and Evaluation in Music Education (3) Prerequisite: Junior standing in music education. Planning the sequence, implementing, and evaluating learning in music. Measurement of musical behaviors, including music aptitude, achievement and attitudes. Behavioral objectives, test item construction, interpretation of data, and interpretation of results. Descriptive statistics, standardized music tests, reliability and validity.

MUS 351, 352. Introduction to Music History I & II (3,3) Overview of music history and literature, stressing the stylistic developments of music and related social and historical events. 351: Middle Ages, Renaissance, and Baroque. 352: Classic, Romantic, and Contemporary periods.

MUS 355. Music in Religious Institutions (3) Prerequisite: MUS 255. A study of the philosophic and administrative dimensions of music in religious institutions. Topics include historical antecedents and contemporary patterns.

MUS 361, 362, 363. History of Music (2,2,2) Prerequisite: MUS 351, 352 and for 362 & 363 only, MUS 301. 361: Stylistic development of music of the Medieval and Renaissance eras. 362: music history and literature of the 17th and 18th centuries. 363: Music history and literature of the 19th and 20th centuries.

MUS 364. Contemporary Music Literature (2) Prerequisite: MUS 301 and 363. A study of music from the contemporary era.

MUS 365. Modern Jazz (3) Prerequisite: MUS 116, 236. Study of Jazz music and the musicians from 1940 to the present. Presentation in both lecture and performance format.

MUS 371. Instrumental Pedagogy and Literature (3) Prerequisite: Two years of college instrumental applied music. Problems, materials, and methods in teaching instrucments to private students.

MUS 372. Jazz Pedagogy (3) Prerequisite: MUS 235, 285. Techniques and methods for teaching jazz, emphasizing rehearsal techniques for jazz ensembles. Lecture format and practical conducting experience with one of the university's jazz ensembles.

MUS 373. Instrumental Methods (3) Prerequisite: Junior standing in music education. Instructional planning, organization, objectives, and methodology for teaching in an ensemble setting from elementary through high school level. Rehearsal design and procedure. Comprehensive musicianship, class method books and repertoire, computer applications, marching band techniques, and program management. Field experiences required.

MUS 375. Piano Pedagogy I (3) Prerequisite: Two years of private piano instruction at college level. Problems, materials, and methods and teaching beginning piano to children.

MUS 376. Piano Pedagogy II (3) Prerequisite: Two years of private piano instruction at college level. Problems, materials, and methods in teaching piano to older students of high school and early college age.

MUS 377. Choral Methods (3) Prerequisite: MUS 285, 286, and consent of instructor. Goals, objectives, methodology, and assessment procedures for teaching choral music. Topics may include repertoire and programming, learning theory applied to choral rehearsal, group vocal training techniques, rehearsal procedures, and program management strategies.

MUS 379. Vocal Pedagogy and Literature (3) Prerequisite: Two years of college vocal study. Basic procedures for teaching voice, including voice building and classification; materials and standard literature for solo voice.

MUS 382. Accompanying (1) Prerequisite: MUS 130 or 182 or commensurate experience, and consent of instructor and department chair. Students will be assigned an instrumentalist or vocalist with whom to work. One hour class meeting per week, accompanying for lesson of soloist, and adequate weekly rehearsal time to prepare for soloist lesson. Accumulative credit permitted up to four semester hours.

MUS 383. Chamber Singers (1) Prerequisite: Minimum of three semesters of MUS 183 or 186 and auditions by director. The singers study and perform the gamut of repertoire for smaller choir. Three rehearsal hours per week. May be repeated for credit.

MUS 384. Jazz Ensemble (1) Prerequisite: Minimum of three semesters of UNCW instrumental ensemble and auditions by director. The study and performance of jazz techniques and interpretation of popular styles in large or small ensemble. May be repeated for credit.

MUS 385. Wind Ensemble (1) Prerequisite: Minimum of three semesters of MUS 184 or 185. Study and performance of music from the band repertoire, including a broad variety of styles, composers, and nationalities. Meets a minimum of two hours each week. May be repeated for credit.

MUS 386. Concert Choir (1) Prerequisite: Minimum of three semesters of MUS 183 or 186 and consent of instructor. The singers study and perform repertoire of various historical periods and styles appropriate for large chorus. May be repeated for credit.

MUS 387. Orchestra (1) Prerequisite: Minimum of three semesters in MUS 184, 185 or 187 and auditions by director. Study and performance of the orchestral literature performed with the Wilmington Symphony Orchestra, which meets for a minimum of two hours per week and gives an average of six performances per year. May be repeated for credit.

MUS 393. Junior Recital (1) Prerequisite: Consent of faculty. A performance of at least 20 minutes of repertorie selected from the appropriate levels of difficulty. May be repeated once for credit.

MUS 395. Upper Level Applied Music, Pirvate Lessons (1) Prerequisite: Consent of Music Department Chair. One-half hour music lesson per week. Requires a minimum of five practice hours per week. Minimum of one laboratory hour each week. May be repeated for credit. (Course is restricted to selected upper division music majors.)

MUS 396. Upper Level Applied Music, Private Lessons (2) Prerequisite: Consent of Music Department Chair. One-hour music lesson per week. Requires a minimum of ten practice hours per week. Minimum of one laboratory hour each week. May be repeated for credit. (Course is restricted to selected upper division music majors.)

MUS 397. Upper Level Applied Music, Private Lessons (3) Prerequisite: Consent of Music Department Chair. One-hour music lesson per week. Requires a minimum of 15 practice hours per week. Minimum of one laboratory hour each week. May be repeated for credit. (Course is restricted to selected upper division music majors.)

MUS 403. Advanced Composition (3) Prerequisite: MUS 203 and consent of instructor. Music majors only. Advanced study of compositional techniques through direct application in original compositions. One hour seminar each week plus private instruction. Accumulative credit.

MUS 475. Practicum in Applied Teaching (1) Prerequisite: MUS 371, or 375-376, or 379. Students will develop and implement a private studio under the guidance of a faculty member.

MUS 485. Advanced Conducting (2) Prerequisite: MUS 285, 286, and consent of instructor. Choral or instrumental conducting techniques. Students work with the appropriate ensemble using selected literature, e.g. orchestral, wind ensemble, jazz ensemble, choral ensemble, for the various media. (Enrollment restricted to availability of laboratory ensembles and to students of exceptional background and aptitude in the field of conducting.)

MUS 490. Thesis (1) A research thesis in a subject to be determined in consultation with the music faculty during the semester preceding the taking of this course.

MUS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

MUS 493. Senior Recital (1) Prerequisite: Consent of the music faculty. A performance of at least 40 minutes of repertoire selected from the appropriate levels of difficulty. May be repeated once for credit.

MUS 495. Seminar in Music (1-3) Prerequisite: Junior standing. Consideration of special subjects not covered in detail in regular course offerings. More than one topic may be taken for credit.

MUS 496. Senior Seminar in Music (3) Prerequisite: Senior standing in General Music program. Synthesis and application to specific topics of skills drawn from previous musical study. Topics vary according to class and professor's interests. May be repeated under a different subtitle.

MUS 498. Internship in Music (3 or 6) Prerequisite: Junior or Senior standing, and permission of chair. Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

MUS 499. Honors Work in Music (2-3) Prerequisite: Eligibility for honors program, and junior or senior standing. Independent study for honor students.

For 292 and 492; 294 and 494, see explanations on p 151, 94.

Nursing Course Descriptions

(School of Nursing)

NSG 112. Survey of Professional Nursing (1) Provides an overview of nursing as a profession for potential applicants to the School of Nursing. Examines the scope of practice of the registered nurse, various practice settings and the role of the nurse in health care today. Explores history, issues and trends in nursing. Offers information about the goals and curriculum of the UNCW School of Nursing.

NSG 250. Introduction to Health Assessment (2) Prerequisite: Admission to the School of Nursing. Corequisite: NSGL 250. An introduction to concepts and techniques of health assessment. Nursing process is the major framework. The focus is on assessments of individuals across the life span.

NSGL 250. Introduction to Health Assessment Lab (1) Prerequisite: Admission to the School of Nursing. Corequisite: NSG 250. Provides the opportunity for laboratory and clinical application of the introductory concepts and techniques of health assessment taught in NSG 250.

NSG 305. Fundamental Nursing Skills (3) Prerequisite: Pre-nursing majors or admission to the School of Nursing. Prerequisite or corequisite: BIO 240. Introduces fundamental nursing skills commonly used in both acute care and community settings. Requires application of previously learned concepts related to anatomy and physiology as well as normal growth and development.

NSG 312. Theoretical Foundations for the Professional Nurse I: The Nurse-Client Relationship (3) Prerequisite: NSG 250, NSGL 250 or admission to the School of Nursing. Introduces the nurse-client relationship emphasizing the significance of communication and nursing process as tools for professional development. Explores values clarification, cultural sensitivity, human diversity and knowledge of ethical and legal influences on the role of the professional nurse. Challenges each student to begin formulating a theoretical context for professional nursing practice through critical thinking.

NSG 325. Introduction to Pharmacology (3) Recommended Prerequisites: BIO 240, 241, 246. Survey course designed to introduce the basic concepts of pharmacology and pharmacotherapy to the nursing/allied health professional student.

NSG 330. Nursing Process I: Nursing Management of Clients with Basic Health Needs Across the Life Span (5) Prerequisites: NSG 250, NSGL 250. Corequisite: NSGL 330, NSG 331. Prerequisite or corequisite: NSG 305, NSG 312. Introduces the role of the professional nurse in maintaining and supporting the individual's health needs related to

changes in function and common deviations of health across the life span. Emphasizes the relationship between critical thinking and the nursing process as well as theories and research related to adaptation, functional health patterns, the teaching/learning process, and dimensions of the nurse-client relationship.

NSGL 330. Nursing Process I: Basic Health Needs Across the Life Span Practicum (3) Prerequisite: NSG 250, NSGL 250. Corequisite: NSG 330, 331. Prerequisite or corequisite: NSG 305, NSG 312. Provides an opportunity for clinical application of concepts and skills which are introduced in prerequisite and corequisite courses. Requires integration of theoretical foundations introduced in NSG 312 and prior basic studies courses. Emphasizes the development of clinical judgement through critical thinking.

NSG 331. Professional Development Seminar (1) Prerequisite: NSG 250, NSGL 250. Corequisite: NSG 330, NSGL 330. Prerequisite or corequisite: NSG 305, NSG 312. Provides a structured forum for beginning nursing students to explore personal and professional beliefs, values, and attitudes which will affect their role development as a nurse. Designed to offer learning opportunities in a small-group setting that will facilitate self-awareness and a commitment to professional integrity. Supports the development of values and value-based behaviors for the professional nurse.

NSG 345. Health Maintenance Needs of Young Children (2) Prerequisite: PSY 220, HEA 201, HEA 207. Corequisite: SOC 349, NSGL 345. Focuses on health maintenance needs of young children (birth through kindergarten). From the perspective of teachers and caretakers, it addresses activities of daily living, environmental safety, common health problems and infection control within community daycare and preschool settings. This course is designed for non-nursing majors.

NSGL 345. Health Maintenance Needs of Young Children Practicum (1) Prerequisite: PSY 220, HEA 201, HEA 207. Corequisite: SOC 349, NSG 345. Provides students opportunity to work in a variety of child care settings with a specific focus on health maintenance of young children and their families. They will practice child care skills and experience ways in which the dependency needs of children (birth through kindergarten) are managed by staff members in community settings while maintaining a healthy safe environment. This course is designed for non-nursing majors.

NSG 362. Theoretical Foundations for the Professional Nurse II: Family and Group Interactions (3) Prerequisite: NSG 312. Develops theoretical foundations for the professional nurse working with families and groups. Introduces the role of the nurse in the community. Focuses on developing strategies for effective groups. Integrates and further develops core concepts from previous courses to facilitate student growth toward the professional role.

NSG 370. Nursing Process II: Nursing Management of Clients with Acute Health Problems (5) Prerequisites: NSG 305, 312, 330, NSGL 330, NSG 331. Corequisite: NSGL 370. Prerequisite or corequisite: NSG 362. Explores the role of the professional nurse managing the care of clients with selected acute deviations in health across the life span. Identifies nursing interventions for selected health problems. Focuses on the client in the context of the family and expands on previously learned concepts. Emphasizes nursing process and critical thinking as essential tools for development of the professional role. Discusses issues related to legal and ethical concerns as well as cultural and developmental influences on the client and the family.

NSGL 370. Practicum Nursing Process II: Nursing Management of Acute Health Problems (4) Prerequisite: NSG 305, 312, 330, NSGL 330, NSG 331. Prerequisite or corequisite: NSG 370. Provides an opportunity for clinical application of the concepts taught in NSG 370. Focuses, within the context of the family, on using the nursing process with individuals experiencing acute deviations in health. Requires demonstration of critical thinking, professional accountability, and ethical decision-making.

NSG 410. Theoretical Foundations for the Professional Nurse III: Community Health Nursing (3) Prerequisite for generic program: NSG 362, 370, NSGL 370. Prerequisite or corequisite for RN ACCESS Program: NSG 389, NSGL 389. Introduces the theoretical framework for community-based nursing practice. Examines the role of the professional nurse in the community. Focuses on using the nursing process with high-risk aggregates for community assessment, program planning, implementation, and evaluation. Explores using epidemiology, biostatistics; and primary, secondary, and tertiary prevention. Explores environmental issues and the impact of health care policy at the community level.

NSG 415. Research in Nursing (2) Prerequisite or corequisite: NSG 410, STT 210. Prerequisite for generic program: NSG 362, 370, NSGL 370. Prerequisite or corequisite for RN ACCESS Program: NSG 389, NSGL 389. Examines the research process as applied to nursing. Introduces research terminology and selected computer applications. Emphasizes methodology and application of research findings to professional nursing practice. Explores ethical principles, responsibility, and accountability in the research process. Requires development of a preliminary proposal for a nursing research project of limited scope.

NSG 416. Research Practicum (1) Implementation of research proposal from NSG 415.

NSG 430. Nursing Process III: Nursing Management of Families in Transition (5) Prerequisites: NSG 362, 370, NSGL 370. Corequisite: NSGL 430. Prerequisite or corequisites: NSG 410, 415. Focuses on the role of the professional nurse in health promotion and care of clients with chronic health problems. Emphasizes health promotion both with the childbearing family experiencing a normal pregnancy and with clients and families experiencing complications of childbearing or adapting to chronic illness in a family member. Incorporates theory related to the role of the family in health and illness, family assessment, and nursing process with the family.

NSGL 430. Nursing Process III: Nursing Management of Families in Transition Practicum (4) Prerequisite: NSG 362, 370, NSGL 370. Corequisite: NSG 430. Prerequisite or corequisite: NSG 410, 415. Provides opportunity for clinical application of concepts introduced in corequisite courses. Requires demonstration of nursing process with both the childbearing family experiencing a normal pregnancy and with clients and families experiencing complications of childbearing or adapting to chronic illness in a family member. Focuses on the role of the professional nurse in health promotion.

NSG 445. Nursing in Barbados (5) Study designed for upper-division nursing majors and registered nurses to study the culture and health care practices of the people of Barbados. Students will have an in-depth study of the political, social, economic, religious, educational, governmental and health care systems. They will examine the history, traditions, customs, and health practices of the Bajan people. Clinical practicum will focus on care of clients in the Queen Elizabeth Hospital and Sir Winston Scott Polyclinic.

NSG 460. Theoretical Foundations for the Professional Nurse IV: Leadership in Nursing (3) Prerequisites: NSG 410, 415, 430, NSGL 430. Corequisities: NSG 470, NSGL 470, NSG 490. Focuses on principles of leadership and management for the professional nurse. Includes discussion of concepts and theories of health systems organization, change, communication, and conflict management. Examines models of nursing care delivery and issues related to delegation. Discusses quality assurance models and computer applications in nursing.

NSG 470. Nursing Process IV: Nursing Management of Clients with Complex Health Problems (5) Prerequisites: NSG 410, 430, NSGL 430. Corequisites: NSGL 470, NSG 490. Prerequisite or corequisites: NSG 460. Focuses on the role of the professional nurse managing the care of clients with selected complex health problems. Examines impact of complex health problems on the family and the community. Explores issues related to triage, ethical dilemmas, and legal concerns encountered by the professional nurse in complex care settings.

NSGL 470. Practicum Nursing Process IV: Nursing Management of Clients with Complex Health Problems Practicum (4) Prerequisites: NSG 410, 430, NSGL 430. Corequisites: NSGL 470. Prerequisite or corequisites: NSG 460, NSG 490. Provides the opportunity for clinical application of concepts introduced in NSG 470. Requires demonstration of nursing process to prioritize and manage selected complex health problems in caring for the client in the context of the family. Emphasizes integration of theoretical foundations and previously learned skills with increased independence in the clinical setting.

NSG 480. (580) Transcultural Health Care (3) Prerequisite: Permission of the instructor. Explores values and belief systems influencing health behaviors of culturally diverse groups from rural and urban settings. Emphasizes social, political, and economic forces that influence access to and use of health care resources. Identifies a conceptual basis for assessment, planning, implementation, and evaluation of health care for culturally diverse clients. Fosters cultural sensitivity to lifestyles, values, and concepts concerning health and health care.

NSG 481. (581) Spanish for Health Professionals (3) Prerequisite: Permission of the instructor. Emphasizes achieving active command of language spoken in the Hispanic world related to health care. Includes practical communication, current vocabulary, and colloquial expressions. Extensive use of audio aids.

NSG 483. (583) Migrant and Farm Worker Health (3) Prerequisite: Permission of the instructor. An examination of health problems prevalent across the life span among Hispanic migrant workers and their families. Focuses on cultural values and belief systems that influence health behaviors. Analysis of social, economic, legal, and political forces that influence access to and use of health care services. Attention to cultural sensitivity requisite for effective intercultural communication between health care workers and Hispanic migrant workers and their families.

NSG 490. Capstone Clinical Experience (2) Prerequisite or corequisite: NSG 470, NSGL 470 (generic students) or NSG 489, NSGL 489 (RN students). Provides the opportunity to apply nursing process and nursing skills in a selected area of nursing practice. Integrates theoretical foundation concepts including role, leadership, research, and change. Focuses on pertinent practice related issues, such as role transition, current issues, and trends in health care affecting the role of the professional nurse in an associated seminar. Nine hours per week clinical practicum and one hour per week seminar.

NSG 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing; consent of instructor; NSG 330, NSGL 330, or NSG 389, NSGL 389. A maximum of six hours will apply toward graduation.

NSG 495. Selected Topics in Nursing (1-3) Prerequisite: Nursing student with junior or senior standing, and consent of the instructor. Selected topics in nursing. A maximum of three hours will apply toward graduation.

NSGL 495. Selected Topics in Clinical Nursing (1-3) Prerequisite: Nursing student with junior or senior standing, and consent of the instructor. Selected topics in clinical nursing. A maximum of three hours will apply toward graduation.

NSG 499. Honors Work in Nursing (2-3) Prerequisite: Eligibility for honors program; NSG 330, NSGL 330 or NSG 389, NSGL 389. Individual study for honors students.

Courses for Registered Nurses

(School of Nursing)

NSG 216. Contemporary Issues in Nursing Practice (3) Prerequisite: Admission to the School of Nursing. A seminar course for registered nurses which examines contemporary issues in professional nursing practice for clients across the life span. Uses selected theories and re-

search as frameworks for examining current nursing practice issues. Students will explore issues related to registered nurses returning to school for professional education. Upon successful completion of the course, the student receives 24 semester hours credit in lieu of transfer nursing credit from the student's basic nursing education program.

NSG 250. Introduction to Health Assessment (2) Prerequisite: Admission to the School of Nursing. Corequisite: NSGL 250. An introduction to concepts and techniques of health assessment. Nursing process is the major framework. The focus is on assessments of individuals across the life span.

NSGL 250. Introduction to Health Assessment Lab (1) Prerequisite: Admission to the School of Nursing. Corequisite: NSG 250. Provides the opportunity for laboratory and clinical application of the introductory concepts and techniques of health assessment taught in NSG 250.

NSG 389. Family Nursing (4) Prerequisites: NSG 216. Corequisite: NSGL 389. A course for registered nurses which emphasizes using the nursing process with families in all phases of the life cycle. Provides a broad information base about a range of family concepts drawn from multidisciplinary research, theories and frameworks. Facilitates applying the nursing process with families and/or groups using data collected from weekly home visits in the associated clinical practicum. Students generate an individualized clinical nursing framework addressing health promotion, illness prevention, and health protection.

NSGL 389. Family Nursing Practicum (3) Prerequisite: NSG 216. Corequisite: NSG 389. Provides the opportunity for clinical application of concepts and techniques taught in NSG 389. Emphasizes comprehensive family assessment using a knowledge base grounded in nursing and multidisciplinary research, theories and/or frameworks. Examines ethical dilemmas in practice. Students develop their own clinical framework.

NSG 410. Theoretical Foundations for the Professional Nurse III: Community Health Nursing (3) Prerequisite for generic program: NSG 362, 370, NSGL 370. Prerequisite or corequisite for RN ACCESS Program: NSG 389, NSGL 389. Introduces the theoretical framework for community-based nursing practice. Examines the role of the professional nurse in the community. Focuses on using the nursing process with high-risk aggregates for community assessment, program planning, implementation, and evaluation. Explores using epidemiology, biostatistics; and primary, secondary, and tertiary prevention. Explores environmental issues and the impact of health care policy at the community level.

NSG 415. Research in Nursing (2) Prerequisite or corequisite: NSG 410, STT 210. Prerequisite for generic program: NSG 362, 370, NSGL 370. Prerequisite or corequisite for RN ACCESS Program: NSG 389, NSGL 389. Examines the research process as applied to nursing. Introduces research terminology and selected computer applications. Emphasizes methodology and application of research findings to professional nursing practice. Explores ethical principles, responsibility, and accountability in the research process. Requires development of a preliminary proposal for a nursing research project of limited scope.

NSG 416. Research Practicum (1) Implementation of research proposal from NSG 415.

NSG 420. Leadership in the Health Care Delivery System (3) Organizational, human resource and fiscal management, leadership and health care policy theories lay the foundation for leadership and management for the professional nurse. A seminar format will be used to explore the impact of the selected theories for the professional nurse.

NSGL 420. Leadership in the Health Care Delivery System Practicum (2) Provides the opportunity for the clinical application of the theories and concepts of leadership and management in health care systems. Individualized clinical placement will facilitate student application of concepts. The practicum will be negotiated with the clinical instructor. (Six hours of clinical practicum each week).

NSG 489. Chronic Illness Nursing (3) Prerequisite: NSG 389, NSGL 389. Corequisite: NSGL 489. Focuses on using the nursing process with individuals, families, and groups having complex health needs. Concepts of tertiary care including rehabilitation, compliance, long-term care, and chronic pain control provide the foundation for the role of the nurse in chronic care. Introduces case-management and health policy concepts related to management of complex health needs.

NSGL 489. Chronic Illness Nursing Practicum (3) Prerequisite: NSG 389, NSGL 389. Corequisite: NSG 489. This course provides the opportunity for the clinical application of concepts and theories taught in NSG 489. Students use the nursing process to coordinate health care needs of individuals, families, or groups having chronic illness or complex health problems.

NSG 490. Capstone Clinical Experience (2) Provides the opportunity to apply nursing process and nursing skills in a selected area of nursing practice. Integrates theoretical foundation concepts including role, leadership, research, and change. Focuses on pertinent practice related issues, such as role transition, current issues, and trends in health care affecting the role of the professional nurse in an associated seminar. Nine hours per week clinical practicum and one hour per week seminar.

For 292 and 492; 294 and 494; see explanations on p 151, 94.

Philosophy Course Descriptions

(Department of Philosophy and Religion)

P&R 101. Invitation to Philosophical Thinking (3) An introduction to various philosophers and philosophical problems from historical, critical, and other perspectives.

P&R 110. Introduction to Logic (3) Introduction to the principles of logic including the rules of deduction, the categorical syllogism, induction, and fallacies. Initiation in computer logic programs.

P&R 115. Introduction to Ethics (3) An introduction to fundamental principles, theories, and problems in ethics.

P&R 201. History of Western Philosophy I (3) A survey of Western philosophical thought in ancient and medieval times. Emphasis on the Greek origins of the philosophical tradition. Readings from the Pre-Socratics, Plato, Aristotle, Roman philosophy and such Christian thinkers as Augustine and Thomas Aquinas.

P&R 202. History of Western Philosophy II (3) A survey of Western philosophical thought from the beginning of the modern era to the present. Emphasis on the rationalist and empiricist traditions. Readings from such philosophers as Descartes, Spinoza, Locke, Hume, Kant and Russell.

P&R 205. American Philosophy (3) A survey of American philosophical thought from colonial times to the present. Readings from such American thinkers as Jonathan Edwards, the Federalist authors, Thoreau, James, Dewey and Quine.

P&R 211. Philosophy of Human Nature (3) A survey of past and present theories of human nature; oriented toward issues in education and human development.

P&R 213. Existentialism (3) An introduction to major themes in existential thought such as freedom, authenticity, death of God, the meaning of life. Primary source readings from existential authors, e.g., Kierkegaard, Nietzsche, Heidegger, Sartre, Marcel.

P&R 215. Bioethics (3) Examination of the principles and problems in the application of ethical theory to medical research and practice.

P&R 216. Business Ethics (3) An examination of the principles and problems in the application of ethical theory to administrative and management practice.

P&R 217. Military Ethics (3) An examination of the application of ethical theory to the military profession and the practice of war.

P&R 218. Symbolic Logic (3) Fundamentals of an axiomatic logical system, including both the propositional calculus and the predicate calculus, consistency and completeness proofs, and mathematical induction.

P&R 220. Philosophy & Science Fiction (3) A survey of the major philosophical themes explored in contemporary science fiction. Topics covered include the nature and limits of science and technology, human nature, and the viability of alternative political arrangements. The emphasis will be on learning to identify the philosophical themes that underlie much of contemporary science fiction and to use these to develop a better understanding of the modern world. Readings will include both fiction and contemporary philosophy.

P&R 302. Plato (3) Prerequisite: P&R 101 or 201. Study of the Dialogues of Plato. Analysis of texts; contemporary interpretations.

P&R 303. Aristotle (3) Prerequisite: P&R 101 or 201. An examination of Aristotle's philosophy through selected texts, supplemented with contemporary criticisms. Aristotle's criticisms of Plato; problems of interpretation.

P&R 305. Medieval Philosophy (3) A survey of Islamic, Jewish and Christian philosophical thought in medieval times. Readings from such thinkers as Augustine, Avicenna, Averroes, Maimonides and Thomas Aquinas.

P&R 310. (PLS 310) Legal Philosophy and Jurisprudence (3) Prerequisite: Junior standing and/or the consent of instructor. An introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include: natural law; historical, analytical and sociological jurisprudence; idealism, utilitarianism and legal realism; equity, justice, precedent, custom and law, and the relation of law and morality.

P&R 313. Social and Political Philosophy (3) Prerequisite: P&R 101, 115, or consent of instructor. An exploration of philosophical issues and concepts central to an understanding of social and political life; e.g., function and cause, justice, liberty, equality, societal facts and laws, utopias, reason and political argument, political obligation and the public interest.

P&R 316. The Philosophy of Art (3) Prerequisite: P&R 101 or consent of instructor. Investigation and exploration into both traditional and contemporary theories regarding the philosophy of art and its associated problems. Visual Arts, such as painting, sculpture, film, etc., will be examined.

P&R 317. Epistemology (3) Prerequisite: P&R 101 or 201-202. Fundamental issues in theory of knowledge: nature of knowledge; reasoning, judgement; truth, certainty and probability.

P&R 318. Metaphysics (3) Prerequisite: P&R 101 or 201-202. Fundamental issues and positions concerning the nature of reality: theories of being, substance, causality.

P&R 320. Philosophy of Mind (3) Prerequisite: P&R 101 or consent of instructor. Selected readings drawn from classical and/or contemporary sources bearing on problems of the self, such as the issue of personal identity and the concept of a person, the problem of the relation of mind and body and the question of the nature of consciousness.

P&R 340. Philosophy of Religion (3) Prerequisite: P&R 101 or 103. Examination of the basic problems found in Western philosophy concerning religion, including efforts to prove the existence of God, the role of faith and reason, the problem of evil, immortality, religious experience, religious language, and religious pluralism.

P&R 345. Philosophy of Science (3) Prerequisite: P&R 101 or consent of instructor. Fundamental issues in the philosophy of science; the nature of scientific method; modes of verification and the role of paradigms.

P&R 360. Philosophy of Evolution (3) Prerequisite: P&R 101 or consent of instructor. Examination of philosophical issues found in the study of evolution: origins of the theory; impact on science; methodology of Darwinian and contemporary evolutionary studies; concepts of species, natural selection and adaptation and its mechanisms; application of evolutionary theory of human culture; and debates over creationism and sociobiology.

P&R 400. Colloquium for Majors (3) Prerequisite: Junior or senior standing. An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors in junior or senior year; open to qualified non-majors.

P&R 401. The Philosophy of Immanuel Kant (3) Prerequisite: P&R 101 or 202. An examination of the thought and influence of Kant in his three great critiques, especially the first, the Critique of Pure Reason, as well as in his Groundwork of the Metaphysics of Morals.

P&R 405. Contemporary Philosophical Thought (3) Prerequisite: P&R 101 or 202. Primary source study of the various philosophers of the 20th century, representing the major schools or movements.

P&R 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

P&R 495. Seminar (1-3) Prerequisite: Credit in philosophy and religion and consent of department. Research of selected philosophic and/or religious problems.

P&R 499. Honors Work in Philosophy (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Religion Course Descriptions

(Department of Philosophy and Religion)

P&R 103. Introduction to Religion (3) Religion as a field of study; major modes of religious expression; chief issues in religious thought and experience; the search for method since the Enlightenment critique; contemporary developments.

P&R 125. Great Books of the World's Religions (3) Selections from classic writings of both Western and Eastern religions, including Hebrew Bible, the New Testament, the Qur'an, and Buddhist and Hindu scriptures. Examination of their central ideas and values as well as their development and acceptance as sacred scriptures.

P&R 140. Research Tools for Historical and Textual Criticism—Hebrew (3) Basic study of the Hebrew language with special attention to that of the Old Testament.

P&R 141. Research Tools for Historical and Textual Criticism—Greek (3) Basic study of the Greek language with special attention to that of the New Testament.

P&R 142. Intermediate Greek (3) Continued study of the Greek language with attention to texts from the Hellenistic world.

P&R 225. Women and Religion (3) Images, expectations, and experiences of women in the history of religions. Topics include the importance of gender to the study of religion, women's real or perceived power (or lack of it) within the major classical traditions, and alternative women's religious groups and ideas appearing since the 1970s.

P&R 230. Judaism, Christianity and Islam (3) Survey of the three major Abrahamic faiths; the origins, beliefs and practices of these "people of the Book;" history of their interactions and influence on Western culture.

P&R 231. Primitive and Classical Religions (3) A survey of primitive religion as revealed both in archaeological research and remaining primitive customs; examination of classical faiths of Egypt, Mesopotamia and ancient Europe.

P&R 232. Asian Religions (3) A survey of Hinduism, Buddhism, Taoism, and Confucianism; historical aspects, basic insights, contemporary relevance.

P&R 233. African Religions (3) Religions of Africa, including traditional and non-traditional religious systems, and their impact on African societies and Africanism in the Americas.

P&R 235. Introduction to the Old Testament (3) Historical study of the Hebrew scriptures and their cultural background; focus on the values, problems, and perceptions of the human condition reflected in these texts and archaeological data related to them.

P&R 236. Introduction to the New Testament (3) Historical survey of the canonical Christian literature; illustration of contemporary methods of text-criticism, literary-criticism, form-criticism, and redaction-criticism; focus on results of modern scholarship in appreciating the Gospels and their function in the early Christian community.

P&R 238. History of Christianity I: Early and Medieval (3) Survey of the basic development of the Christian church from its foundation to the Protestant Reformation. Emphasis on major thinkers and pivotal events that determined the historical trends.

P&R 240. History of Christianity II: Modern (3) Survey of the history of Christianity from the Reformation to the present. Accent on the contributions of the chief theologians and the particular problems raised by "modernity" since the 17th century.

P&R 242. Religion in America (3) Survey of religious thought and experience from colonial times to the present; representative Protestant, Catholic, and Jewish leaders; native American and black American traditions; religious reform and revivalism.

P&R 243. Afro-American Religion (3) Study of the religious life of black American communities, with concentration on independent traditions, sects, and a sampling of major thinkers and issues.

P&R 244. Caribbean Religions (3) Religious diversity within the Caribbean, including established, non-traditional, and afrocentric religious traditions, and their interaction with popular culture.

P&R 245. Judaism (3) Introduction to religious beliefs, rituals and traditions of Judaism. Examination of its historical background and contemporary significance.

P&R 246. Islam (3) Introduction to religious beliefs, rituals and traditions of Islam. Examination of its historical background and contemporary significance.

P&R 247. Religions of India (3) Examination of the religions of India as seen in ethical and social thought, ritual and meditation practice, philosophy, and art. Includes Hinduism, Buddhism, Sikhism, and Jainism.

P&R 248. Buddhism (3) Survey of the essentials of Buddhism as seen in ethical and social thought, meditation practices, philosophies, rituals and art.

P&R 255. Historical Geography of Middle East (Biblical Era) (3) Prerequisite: GGY 145 or P&R 235 or consent of instructor. Geographical, archaeological, historical, and geological investigation of the physical environment and cultural landscapes that provide the settings for the evolution of the population, economics, and cultures of Southwestern Asia.

P&R 325. Psychology of Religion (3) Prerequisite: P&R 103 or consent of instructor. Selected readings on the nature and types of religious experience, and on theories of personality and consciousness as they relate to religion. Examination of the writings of Freud, Jung, and others.

P&R 330. Religion and Literature (3) The interplay between religion and literature through an exploration of the religious themes, images, and experiences expressed in contemporary and classical world literatures.

P&R 334. Old Testament Literature (3) Analysis and interpretation of a particular part of the Hebrew Scriptures. Topics will vary from one course offering to another. (The Torah; the Prophets; the Writings).

P&R 336. New Testament Literature (3) Analysis and interpretation of a particular part of the New Testament. Topics will vary from one course offering to another. (The Gospels; the Acts of the Apostles; the Johannine works; the Letters of Paul).

P&R 337. Apocrypha and Pseudepigrapha (3) Prerequisite: P&R 235 or 236. Analysis of the major Jewish and Christian writings related to but excluded from the Bible, including histories, apocalypses, testaments, prayers, moral tales, and wisdom books.

P&R 340. Philosophy of Religion (3) Prerequisite: P&R 101 or 103. Examination of the basic problems found in Western philosophy concerning religion, including efforts to prove the existence of God, the role of faith and reason, the problem of evil, immortality, religious experience, religious language, and religious pluralism.

P&R 350. Native American Religious Traditions (3) Prerequisite: P&R 103 or 242. Examination of the religious traditions of native peoples of North America with a focus on beliefs, rituals, and contemporary developments.

P&R 351. (HST 351) Religion in Early America (3) Prerequisite: P&R 242 or HST 201. Examination of the role and significance of religion in early American culture and society. Topics include contact between Native American and Euro-American religious traditions, Puritanism, First Great Awakening, religion in the revolutionary era, separation of church and state.

P&R 352. (HST 345) Religion in Antebellum America (3) Prerequisite: P&R 242 or HST 201 or consent of instructor. The influences and meanings of religion in antebellum American society. Topics include Second Great Awakening, expansion of Protestant and Catholic churches, communitarian movements, religious responses to slavery.

P&R 353. (HST 359) Religious Reform in Modern America (3) Prerequisite: P&R 242 or HST 202, or consent of instructor. Religious thought and action concerning social change in modern America. Topics include urban revivalism, labor, civil rights, and peace movements. Emphasis on differing interpretations of scripture, church teachings, and religious identity.

P&R 355. Southern Religion (3) Prerequisite: P&R 103 or consent of instructor. Study of religion in the Old and New South. Topics include native American religious traditions, religious practices of blacks and whites, evangelicalism and fundamentalism, church involvement in political and social issues.

P&R 370. Tibetan Buddhism (3) Prerequisite: P&R 232 or 248 or consent of instructor. Examination of the Buddhism of Tibet as seen in ethical and social thought, ritual and meditation practice, philosophy, and art.

P&R 400. Colloquium for Majors (3) Prerequisite: Junior and senior standing. An interdisciplinary investigation of various philosophical and religious questions. Themes for study: the problem of evil, the relations of faith and reason, symbolism and language, meaning of freedom, and concepts of determinism. Required of majors in junior or senior year; open to qualified non-majors.

P&R 421. Contemporary Religious Thought (3) Prerequisite: P&R 103. Primary source study of principal religious thinkers of 20th century, especially within Judaism and Christianity.

P&R 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

P&R 495. Seminar (1-3) Prerequisite: Credit in philosophy and religion and consent of department. Research of selected philosophic and/or religious problems.

P&R 499. Honors Work in Philosophy (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Production and Decision Sciences Course Descriptions

(Department of Production and Decision Sciences)

PDS 105. Basic Computer Applications for Business (3) Prerequisite: Restricted to students with 88 earned credit hours or less. An introduction to computer processing using popular software for spreadsheets, word processing, and other software. Competence will be stressed; simple access and use of software packages will not be sufficient. Microcomputer hardware and history will be presented.

PDS 217. Statistical Analysis for Business and Economics (3) Prerequisite: MAT 111 or 115. Classification and presentation of business and economics data, probability and expected value, statistical inference, simple linear regression and correlation analysis.

PDS 313. Introduction to Management Information Systems (3) Prerequisite: ACG 201. Introduction to the use of information systems in organizations to support decision making. Scope includes computer hardware and system software concepts, application software concepts, and telecommunications concepts. Assignments require the use of information technologies to support written and oral communication.

PDS 314. Introduction to Management Science (3) Prerequisite: MAT 151, and PDS 217. Deterministic and probabilistic models applied to economics and business decision. Topics include linear programming, network analysis, and decision theory. Emphasis on quantitative techniques and how they can be applied and interpreted by managers. Computer applications introduced.

PDS 315. Management of Database Systems (3) Prerequisite: PDS 217 and 313. Study of the design and administration of database systems in a business environment. The relational model is used along with database management software to facilitate the communication and distribution of data and its conversion into information, with an emphasis on sound design principles. Topics include entity-relationship modeling, normalization, and the structured query language (SQL).

PDS 316. Computer Concepts and Applications (3) An introduction to programming business applications. Emphasis is on the implementation phase of the development life cycle. All laboratory projects focus on a PC environment using Visual Basic.

PDS 317. Production and Operations Management I (3) Prerequisite: PDS 314. Analysis of concepts, tools, and techniques used to control manufacturing and service operations. Topics include PERT/CPM, forecasting, materials management, inventory control, facility layout/location, and quality management. Particular attention is directed to the study of production process alternatives.

PDS 318. Advanced Statistical Analysis for Management (3) Prerequisite: PDS 217. Statistical inference as applied to management decision making. Topics include linear and nonlinear regression models, analysis of variance and covariance, time series analysis, experimental design, and nonparametric statistical techniques. Applications require the use of computer-based statistical analysis programs.

PDS 319. Quality Control (3) Prerequisite: PDS 317. An introduction to the quantitative and qualitative concepts used in the control of quality, in both the manufacturing and service environments. Emphasis placed on the statistical tools used in process control and acceptance sampling, along with extensive computer examples and exercises.

PDS 413. Management Information Systems Development (3) Prerequisite: PDS 313 and 316. Corequisite: PDS 315. Examination of the technical and managerial skills required to analyze, design, and implement information systems in a business environment. Topics include structured and object-oriented methodologies, business process redesign, computer-aided systems engineering, and information system project management. Students are required to complete a field project.

PDS 414. Introduction to Business Simulation (3) Prerequisite: PDS 317. Introduction to simulation models as tools in the analysis of business problems. Discrete event simulation models for production and service systems are introduced through the use of a computer simulation language.

PDS 415. Decision Support Systems (3) Corequisite: PDS 413. An introduction to decision support and the use of decision support software to enable the analysis of business data to support decision making through modeling. Includes an introduction to terminology, concepts, and components of data communication and emerging trends in the field of communications.

PDS 416. Business Telecommunications (3) Prerequisite: PDS 313. A study of the role of telecommunications in businesses, including relevant terminology, concepts, hardware, software, protocols and architectures. Topics include the design, purchase, integration, and use of telecommunications technologies and systems. Emphasis is placed on local area network technologies.

PDS 417. Production and Operations Management II (3) Prerequisite: PDS 317. Further study in the design, management and control of manufacturing and service operations. Topics include logistics management, capacity planning, scheduling, just-in-time, optimized production techniques and quality assurance. Emphasis on the use of computers to analyze complex operations management case problems.

PDS 418. Business and Economic Forecasting (3) Prerequisite: PDS 318 and consent of instructor. Development of an approach to forecasting through the study of time-series techniques including moving averages, exponential smoothing, regression, and Box-Jenkins.

PDS 419. Materials Management (3) Prerequisite: PDS 317. A detailed analysis of the materials management function in both domestic and international manufacturing and service organizations with emphasis on purchasing, physical distribution, master production scheduling, management of physical inventories, materials handling, and computer applications.

PDS 491. Directed Individual Study (1-3) Prerequisite: Junior or senior standing and consent of department chairperson.

PDS 495. Seminar in Business Systems (3) Prerequisites: Senior standing, PDS 313 and PDS 314. Special topics of interest to business systems majors.

PDS 498. Business Systems Internship (1-6) Prerequisite: Senior status and consent of faculty supervisor. Involves the application of quantitative and systems skills developed in the academic environment to problems in a real-world operating environment. The participant will receive practical training and experience under the guidance of the staff of a local business or government organization and a faculty supervisor. Available internships are filled on a competitive basis.

PDS 499. Honors Work (2-3) Prerequisite: Senior standing. Independent work for honors students.

Physical Education Course Descriptions

(Department of Health, Physical Education and Recreation)

PED 101. Foundations of Physical Activity (2) Study of immediate and long-term effects of physical activity and establishment of individualized programs for acquiring and maintaining physical fitness. One lecture and two hours of activity each week.

PED 103. (REC 103) Physical Education Activity -Program of Outdoor Pursuits (3) Prerequisite: PED 101 or equivalent. Study of and participation in the skills and knowledge of various outdoor recreational activities in a natural setting. Minimum of 10 one-hour lecture sessions and a minimum of 11 excursion days. Travel and subsistence costs for activities borne by the student. (Non-majors may repeat PED 103, in a different activity area, only once.)

PED 104. Scuba (2) Prerequisite: Proficiency in swimming skills. History, theory, and principles of scuba diving. Hyperbaric physiology; equipment development, use and maintenance; development of diving skills and diving safety. Meets certification requirements for all national certifying agencies to the open water level.

PED 105. Lifeguard Training (1) Training and certification for American Red Cross Lifeguard Training.

PED 106. Beginning Swimming (1) Designed to teach one how to swim and to instruct the basic strokes including front crawl stroke, backstroke, breaststroke, sidestroke, elementary backstroke as well as survival swimming.

PED 107. Basic Swimming and Water Safety (1) Development of competency in basic swimming strokes of front crawl, backstroke, and sidestroke; development of water safety skills and techniques.

PED 108. Advanced Swimming (1) Emphasis on developing competencies in basic swimming strokes of front crawl, backstroke, breaststroke, sidestroke, elementary backstroke; turns; develop skill in lifesaving techniques, water safety and cardiovascular conditioning.

PED 109. Water Safety (1) Prerequisite: Possess current Red Cross Emergency Water Safety or Lifeguard Training Certificate. Designed to instruct students how to teach others the various skills and courses offered in the American Red Cross Swimming Programs.

PED 110. Archery (1) Basic techniques and knowledge of target archery. Two hours each week.

PED 111. Beginning Tennis (1) Study of and participation in basic tennis skills including serve, volley, and ground strokes. Emphasis on improving proficiency in techniques and mechanics. Two hours each week.

PED 112. Intermediate Tennis (1) Study and participation in advanced tennis skills and knowledge of the various techniques and tactics, including application of mechanics and strategies. Two hours each week.

PED 113. Golf (1) Skills and knowledge of golf, including basic swing as well as rules and basic terms. Two hours each week.

PED 114. Bowling (1) Instruction and practice in the basic skills of bowling. Two hours each week. Fee.

PED 115. Weight Training (1) Knowledge, technique, and safety procedures of weight training and related activities. Two hours each week.

PED 116. Beginning Racquetball (1) Basic racquetball terminology, scoring and game procedures, including rules, court position, and basic strokes. Two hours each week.

PED 117. Intermediate Racquetball (1) Development of racquetball shots, game strategy, patterns of play, and defensive and offensive returns. Two hours each week.

PED 118. Beginning Racquetball - Tennis (1) Basic terminology, scoring, rules, court position, and strokes of racquetball and tennis. Two hours each week.

PED 119. Badminton - Tennis (1) Basic terminology, scoring, rules, court position, and strokes of badminton and tennis. Two hours each week.

PED 120. Aerobic Dance (1) Cardiovascular fitness program which incorporates physiologically safe dance and exercise movements to music. Intended to develop strength, flexibility, and improve cardiorespiratory efficiency. Two hours each week.

PED 121. Soccer (1) Instruction and participation in the basic skills, strategy and application of rules of soccer. Experiences will include indoor soccer, small-sided games, full-sided matches, video sessions and lecture session. Two hours each week.

PED 122. Volleyball (1) Instruction and participation in the basic skills, strategy and application of rules of volleyball. Two hours each week.

PED 123. Physical Conditioning (1) A personal physical conditioning program including systems of fitness emphasizing circuit training, interval training, and calisthenics. Two hours each week.

PED 124. Basic Canoeing and Kayaking (1) Introduction to theory, navigation rules, equipment, and basic skills of canoeing and kayaking. Emphasis on safety and practice of canoeing and kayaking on coastal waters. Two hours each week.

PED 125. Basic Sailboarding (1) Introduction to theory, navigation rules, equipment, and basic skills of sailboarding. Emphasis on safety and practice of sailing skills. Two hours each week.

PED 126. Beginning Snow Skiing (1) Knowledge, safety, conditioning, and basic skills of snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)

PED 127. Motor Boat Operation (1) Prerequisite: Permission of instructor. Introduction to theory, navigation, navigation rules, safety, weather, fire, rescue and seamanship involved in motor boating. Successful completion results in certification by the National Association of State Boating Law Administrators.

PED 134. (THR 134) Dance Techniques I (2) Basic technique at a beginning level, including ballet, jazz and modern dance. Three studio hours per week. Accumulative credit limited to four semester hours.

PED 136. (THR 136) Movement Exploration (3) Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as material for movement improvisation and composition. No dance training necessary.

PED 138. Hatha Yoga (1) An introduction to the various aspects of Yoga, including Hatha Yoga postures, breathing techniques, and deep relaxation. Two hours each week.

PED 140. Walking Fitness (1) Safe and effective techniques of developing and maintaining fitness through walking. Two hours each week.

PED 142. Jogging Fitness (1) Safe and effective techniques of developing and maintaining fitness through jogging. Two hours each week.

PED 150. Beginning Sailing (1) Theory, navigation rules, equipment, and basic skills of sailing. Emphasis on safety and practice of sailing skills. (Fee required, dates and location TBA)

PED 200. Lifelong Physical Education Programming—Dance and Gymnastics (3) Prerequisite or corequisite: PED 235 or consent of instructor. Development and enhancement of the knowledge and skills necessary for designing traditional and lifelong dance and gymnastics physical education programs.

PED 201. Lifelong Physical Education Programming—Individual and Dual (3) Prerequisite or corequisite: PED 235 or consent of instructor. Development and enhancement of the knowledge and skills necessary for the designing of traditional and lifelong individual and dual physical education programs.

PED 202. Lifelong Physical Education Programming -Team (3) Prerequisite or corequisite: PED 235 or consent of instructor. Development and enhancement of knowledge and skills necessary for the designing of traditional and lifelong team physical education programs.

PED 206. Traditional American Dance I (2) Beginner's level study of traditional American dance forms such as, but not limited to: social and ballroom dance; folk dance; square dance; Native American dance; and African American dance. Emphasis on the historical and cultural contributions of each form.

PED 216. Human Anatomy and Physiology I (4) The human integumentary, skeletal, muscular, circulatory and respiratory systems as related to health and movement. Three lecture hours and three lab hours each week.

PED 217. Human Anatomy and Physiology II (3) The human nervous, urinary, endocrine, digestive, and reproductive systems as related to health and movement.

PED 226. Intermediate Snow Skiing (1) Prerequisite: Permission of instructor. Intermediate skills, knowledge, safety and conditioning for snow skiing. (Fee plus off-campus lodging and equipment costs; dates and location TBA.)

PED 234. (THR 234) Dance Techniques (II) (2) Prerequisite: THR 134 or PED 134 or consent of instructor. Basic dance technique at an intermediate level. Three studio hours per week. Accumulative credit limited to four semester hours.

PED 235. Principles of Physical Education (3) Principles, components, and development of physical education from ancient to modern times applied to the present and future.

PED 236. Athletic Officiating (3) Rules, officiating techniques, and problems arising in officiating with emphasis on football, basketball, baseball, volleyball, and tennis.

PED 245. Organization and Administration in Athletic Training (3) Study of many management aspects in athletic training, including medical and ethical protocol, legal concepts and insurance. In addition, exposure to policies for physical examinations, drug testing and emergency care presented.

PED 266. (REC 266) Applications of Computers in Health, Physical Education, and Recreation (2) Computer applications in health, physical education and recreation focusing upon the skills necessary to solve professional problems in the field. No previous computing experience required. Open to declared HPER majors only.

PED 301. Introduction to Athletic Training (3) Foundation and principles of athletic training. Emphasis on first aid, emergency care, injury prevention, organization, administration, counseling and guidance.

PED 315. Motor Development (2) Prerequisite: PED 216 or consent of instructor. Analysis of the sequential progression of fundamental motor skills from infancy through adolescence. Study of physical growth patterns and biological maturity as related to motor performance. Attention also given to perceptual motor programs for children. A field experience is required.

PED 320. Methods of Teaching Motor Activity (3) Emphasis on instructional methodology appropriate to teaching motor skills and sports activities, formulation of objectives, and lesson planning. Includes practicum in teaching. A field experience is required.

PED 335. Reading in Physical Education (3) A comprehensive review of literature in physical education and related areas.

PED 336. An Approach to Coaching (3) The application of philosophical and psychological knowledge and principles to the administration and coaching of sports with special emphasis on research literature.

PED 340. Biomechanics (3) Prerequisite: PED 216. (BIO 216). Neuromuscular and mechanical principles of human movement, with emphasis on movement analysis most often encountered in fitness activities and sport skills.

PED 347. Field Experience in Exercise Science (3) Prerequisite: PED 235 and 30 additional hours in physical education. Supervised experience in exercise science and related fields. Relates theory to practical application in the field. Requires a minimum of 90 hours of fieldwork.

PED 348. Practicum in Athletic Training (3) Prerequisite: Permission of instructor. Supervised experience in athletic training in collegiate or scholastic setting. Relates basic theory to practical application in the field. Requires a minimum of 90 hours of fieldwork.

PED 349. Physiology of Exercise and Sport (4) Prerequisite: PED 216 or BIO 345. Fundamental responses of the human body to the stress of exercise, including compensatory adjustments to long-term physical training. Three lecture and two lab hours each week.

PED 350. Motor Behavior (3) Prerequisite: PED 216. Motor skill acquisition, control, and performance. Physiological and psychological principles of human growth and development. Includes analysis of the sequential progression of fundamental motor skills from infancy through adulthood with primary focus on school-age children.

PED 355. Measure and Evaluation of Human Physical Performance (3) Elementary statistical techniques used in research and interpretation of data; identification of physical fitness and movement components; evaluation of measures now available in the field and administration of performance tests.

PED 359. (REC 359) Research and Evaluation in Health, Physical Education and Recreation (3) Methods of research in the fields of health, physical education and recreation. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

PED 360. Motor Learning (3) An introduction to the principles of motor learning, this course is concerned with the analysis and application of physiology and psychological principles related to the learning and performance of motor skills. Two lecture and one laboratory hours each week.

PED 379. Sport, Physical Activity, and the Law (3) Prerequisite: Junior or senior level. An introduction to the legal aspects of amateur sport and physical activity, emphasizing the legal knowledge practitioners need to function effectively. Considers terminology, procedure, operations of the law, and case studies.

PED 386. Physical Education in the Preschool, K-5 (3) Theory, techniques, and methods of developing and implementing developmentally appropriate physical education for grades preschool, K-5. Emphasis on games, dance, gymnastics, and fitness programming. A field experience is required.

PED 387. Teaching Physical Education in Grades 6-12 (3) Theory, technique, and methods of developing and implementing developmentally appropriate physical education for grades 6-12. Emphasis on games, dance, gymnastics, and fitness programming. A field experience is required.

PED 401. Advanced Concepts in Athletic Training (3) Prerequisite: PED 301. Injury evaluation, therapeutic modalities and rehabilitation.

PED 415. Movement Considerations for Special Populations (3) Prerequisite: PED 216 and junior or senior standing. Problems relating to the physiological and kinesiology needs of the individual with physical limitations. Emphasis on the selection of activities that will provide opportunities for optimum development of which he or she is capable. A field experience is required. Two lecture and two laboratory hours each week.

PED 416. Laboratory Techniques and Research Methods in Exercise Physiology (3) Prerequisite: PED 349 and consent of instructor. A study of laboratory techniques and research methods used to evaluate physiological response to exercise and training. Primarily a laboratory experience.

PED 421-422-423-424-425-426. Methods of Coaching (2) Emphasis on strategy, fundamentals, techniques, training and related duties.

421 Baseball	424 Track and Field
422 Basketball	425 Soccer
423 Football	426 Volleyball

PED 435. Sport Management (3) Prerequisite: Junior or senior standing. Concepts, skills, and techniques necessary for the planning, implementation, management, and evaluation of educational, corporate, and commercial sport or fitness programs.

PED 436. Intramurals (3) Prerequisite: Junior or senior standing. The position of intramural activities in the overall program of physical education. Analysis of problems involved in the administration and organization with emphasis on the practical approach in school systems.

PED 440. Selected Topics in Exercise Science (3) Prerequisite: PED 349, PED 355, and senior standing. Selected topics in exercise science, including exercise prescription and program planning for pediatric, adolescent, adult and older adult population.

PED 441. Therapeutic Rehabilitation in Athletic Training (3) Prerequisite: PED 401. Exercise rehabilitation theory, techniques, and equipment as they apply to injuries in the athletic population.

PED 442. Therapeutic Modalities in Athletic Training (3) Prerequisite: PED 441. Theory and application of physical modalities in relation to athletic injury rehabilitation. Principles of soft tissue healing, physical agents, and electrotherapeutic modalities emphasized.

PED 448. Advanced Practicum in Athletic Training (3) Prerequisite: PED 348. Supervised off campus experience in athletic training. Relates advanced theory to practical application in the field. Placements chosen from community and commercial settings. Requires a minimum of 90 hours of fieldwork.

PED 455. Advanced Tests and Measurements in Physical Education (3) Prerequisite: PED 355. Statistical techniques as applied to research in physical education; measurement and evaluation in areas of agility, balance, power, flexibility, kinesthetic perception and anthropometries.

PED 460. Sport and Exercise Psychology (3) Prerequisite: Junior or senior standing. Study of psychological knowledge and principles as they relate to sport and exercise participants and the sport and exercise environment. Emphasis on practical application of psychological concepts related to sport and exercise.

PED 481. Seminar in Athletic Training (3) Prerequisite: PED 441. Advanced sports medicine (improved methods for prevention, evaluation and treatment of injuries); research of specific injuries; development of communication skills (with patients, physicians and coaches); review and integration of previous sports medicine courses; preparation for studying for the national certification exam.

PED 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

PED 499. Honors Work in Physical Education (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Physics Course Descriptions

(Department of Physics and Physical Oceanography)

PHY 101-102. Elementary College Physics (4-4) Corequisite: MAT 111. Mechanics, heat, sound, light, electricity and magnetism, and introduction to modern physics. Three lecture and two laboratory hours each week.

PHY 103. Great Ideas in Physics (3) Introduces the nature of science to the nonscientist by emphasizing the concepts underlying four great ideas in physics: the conservation of energy, the second law of thermodynamics, the relativity of time, and the wave-particle duality of nature. Explores the mutual influence of science and the humanities (literature, philosophy, history, and the arts).

PHY 105. Introductory Physics (4) Terminal course designed to cover basic principles of physics. Three lecture and two laboratory hours each week.

PHY 111. Naked-eye Astronomy and Archaeoastronomy (3) Detailed knowledge of the motions of the sun, moon, planets, and stars is used to understand ancient skywatching techniques, calendars, celestial lore, sky mythology, cosmological concepts and traditions; the impact of astronomy on the architecture, city planning and cultures of prehistoric societies: ancient European (Stonehenge), Babylonian, Egyptian, Mesoamerican, and Native North American. Occasional night viewings.

PHY 170. Photography (3) Techniques and procedures in the use of photographic materials and equipment. Two lecture and two laboratory hours each week.

PHY 201-202. General Physics (4-4) Corequisite: MAT 161-162. 201: Mechanics and heat. 202: Electrostatics, magnetism, circuits, electrodynamics, wave motion, and optics. Four lecture and two laboratory hours each week.

PHY 206-207. Problems in General Physics (2-2) Prerequisite: PHY 101-102 and corequisite: MAT 161-162. Problems in general physics and their applications. Two problem sessions each week.

PHY 211-212. Electric Circuits (4-4) Corequisite: MAT 161. Fundamental laws of electric circuits; transient and steady-state sinusoidal analysis of linear circuits by complex frequency, phasor and two-port networks. Three lecture and three laboratory hours each week.

PHY 225. Electronics (3) Prerequisite: Consent of instructor. An introduction to electronics with emphasis on instrumentation and techniques used in scientific laboratories. Two lecture and two laboratory hours each week.

PHY 260. Introduction to Astronomy (3) Descriptive course in principles, theories, and techniques of astronomy. Occasional night viewing.

PHY 311-312. Mathematical Physics (4-4) Prerequisite: PHY 202. An introduction to the mathematical techniques useful in physics: vector analysis, operator and matrix analysis; functions of a complex variable and calculus of residues; differential equations, special functions of a complex variable and calculus of residues; differential equations, special functions of mathematical physics; Fourier series and transforms, eigenfunctions and Sturm-Liouville equation; Green's functions; variational methods; and perturbation theory. Three lecture and two hour laboratory hours each week.

PHY 321-322. Mechanics (3-3) Prerequisite: PHY 202. Elements of Newtonian mechanics, mechanics of continuous media, Lagrange's equation, rotation of a rigid body.

PHY 335. Modern Physics (4) Prerequisite: PHY 202. Survey of modern physics. Special relativity, atomic and nuclear physics, and an introduction to wave mechanics.

PHY 400. Advanced Laboratory (1) (May be repeated for up to three hours credit) Prerequisite: Consent of instructor. Designed to acquaint students with the various laboratory techniques, error analysis and reduction of data by digital computer.

PHY 411-412. Electricity and Magnetism (3-3) Prerequisite: PHY 202 and corequisite: MAT 261. Electric and magnetic field theory; Poisson's and Laplace's equation; harmonic methods, special methods for solution of electrostatics problems, material media and boundary value problems; electromagnetic waves and radiation; electromagnetic laws of optics.

PHY 415. Solid State Physics (3) Prerequisite: PHY 335. A study of the basic properties of solids—crystal structure; mechanical, thermal and electromagnetic properties as determined by the phonon, electron, and magnon characteristics.

PHY 420. (GLY 420) Global Climate Change (3) Prerequisites: PHY 102, CHM 102, MAT 162. Analysis of natural and anthropogenic global climate change. Historical and geological records of climate including sediment, tree ring, and ice core analysis. Physics and chemistry of climate, including Earth's energy balance, global carbon cycle, climate modeling, atmospheric composition and dynamics.

PHY 425. Atomic and Molecular Physics (3) Prerequisite: PHY 444. The quantum theory of atomic and molecular structure and spectra. Topics include relativistic and electromagnetic interactions; the hydrogen atom, the helium atom, multielectron atoms; radiative and Auger transitions, selection rules; diatomic and simple polyatomic molecules.

PHY 435. Nuclear Physics (3) Prerequisite: PHY 444 or consent of instructor. Introduction to properties of the nucleus; natural and artificial radioactivity; nuclear reactions and particle accelerators.

PHY 444. Quantum Theory (3) Prerequisite: PHY 335 and corequisite: MAT 361. An introduction to the basic principles of quantum mechanics. Topics include operators; symmetry; orbital and spin angular momentum; and applications to simple systems.

PHY 445. Optics (3) Prerequisite: PHY 202 and MAT 261. Physical and geometrical optics. Huygen's principles, electromagnetic theory of light.

PHY 455. Thermal Physics (3) Prerequisite: PHY 335 or consent of instructor. Principles of thermodynamics and heat transfer; response of molecules to temperature effects illustrated by introduction to kinetic theory and statistical mechanics.

PHY 475. (575) Physical Oceanography (3) Prerequisite: MAT 152 and PHY 102. An introduction to the descriptive and dynamical features of ocean circulation. Topics include: the physical properties of seawater; oceanic heat budget; dynamics of ocean currents; descriptive oceanography; waves and tides.

PHY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

PHY 495. Physics Seminar (1-3) Prerequisite: Consent of instructor. Discussion of selected topics in physics.

PHY 499. Honors Work in Physics (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p. 151, 94.

Political Science Course Descriptions

(Department of Political Science)

PLS 101. American National Government (3) A survey of basic principles, institutions and functions such as federalism, separation of powers, civil liberties and rights, judicial review, public opinion, political parties, elections and interest groups.

PLS 111. Politics and Government in Global Perspective (3) A survey from a cross-national, comparative perspective of politics and governmental institutions within and among nation-states. Attention will also be given to the role of political theory and ideology in the governance of states.

PLS 201. Introduction to Political Science Methods (3) An introduction to the rationale and application of the scientific method to political analysis. Major topics include: statement of problem, survey of literature, theory construction, data collection and analysis, and presentation of findings and conclusions.

PLS 202. Contemporary American Political Issues (3) An examination of important political issues and their relationship to the overall American political process. Topics are selected from, but not limited to: education policy; health care policy; federal deficit and debt policy; and minorities and politics.

PLS 203. Religion and Politics in the United States (3) The origin, nature, and consequences of religion's influence on political values, institutions, and policies in the United States.

PLS 204. Judicial Politics (3) Analysis of the organization, powers and role of the judiciary. Topics include: the political role of judges, factors influencing judicial policy-making, selection of judges, the role of lawyers, and judicial decision-making.

PLS 205. Campaign Politics (3) United States national campaign politics. Focuses on the electoral arena (history, financing, political environments), nominations (delegate selections and conventions), campaigns (organization, strategy, tactics, media), and the election (votes, policy, reforms). Special attention to recent and current presidential and congressional election campaigns.

PLS 206. American State Government and Politics (3) A survey and analysis of the organization, functions, and political processes of the American states.

PLS 207. American Urban Government and Politics (3) A study of the structure, functions, political processes, problems and trends in American city and metropolitan government and politics.

PLS 208. Politics and the Entertainment Media (3) The political and ideological content of popular film and television. Interactions between government and the entertainment media.

PLS 209. Environmental Politics (3) The role of politics in environmental policy. Topics include the politics of the environmental movement, the environment as a public policy issue, and the development and impact of environmental policy.

PLS 212. Introduction to Political Theory (3) Fundamental questions about the nature and purpose of politics as treated by such writers as Plato, Augustine, Locke, Hobbes, and Marx.

PLS 220. Introduction to International Relations (3) Basic analysis of politics among nations. The role of law, force, and diplomacy in world politics; problems of peace and disarmament.

PLS 222. Contemporary International Political Issues (3) An examination of important international political issues and their impact on the political processes among the nations of the world. Topics are selected from, but not limited to: the role of the United Nations; environmental policy; separatism and nationalism; religious conflict and international order; terrorism; and economic development.

PLS 230. Introduction to Comparative Government and Politics (3) Comparative analysis of political systems in developed and Third World Nations, including an examination of the foundations and structures of selected national governments, such as parliamentary and presidential systems, democratic and non-democratic systems.

PLS 272. American Political Culture (3) An investigation of the elements that contribute to current national political culture, its origins, its characteristics, and its influences on public dialogue and policy.

PLS 300, 301. American Constitutional Law (3,3) Prerequisite: PLS 101. Analytical study of U.S. Supreme Court decisions affecting separation of powers and individual rights. 300: the powers of the judicial, executive, and legislative branches of national government; the relationships among these branches; and the federal system. 301: individual rights and liberties other than procedural rights of persons involved with the criminal justice system.

PLS 302. Public Opinion and Democracy (3) Prerequisite: PLS 101 or consent of instructor. Examination of the origin, content, and policy impact of public opinion in democratic nations, with major emphasis on the contemporary American experience.

PLS 303. Elections and Voting Behavior (3) Prerequisite: PLS 101 or consent of instructor. Evaluation of the impact of citizen beliefs and preferences on election outcomes. Structured around a critical examination of the assumptions, findings and interpretations of the major voting studies since World War II.

PLS 304. Introduction to Public Policy Analysis (3) Prerequisite: PLS 101. A study of the theories and methods of analyzing and explaining public policy and the substance of recent domestic policies in the areas of public finance and human and physical resources, including welfare, education, protection of the environment, housing, health, urban renewal and transportation.

PLS 305. The Constitution and the Criminal Justice System (3) Prerequisite: PLS 101. Study of U.S. Supreme Court decisions on rights of suspects, defendants, witnesses, and convicted criminals.

PLS 307. The American Legislature (3) Prerequisite: PLS 101. Functional study of legislative bodies and lawmaking. Among the topics studied will be the role of legislatures; the impact of constituencies, parties, interest groups, interpersonal relationships and other pressures on legislators; legislative structure; and the decision-making process.

PLS 308. Public Administration (3) Prerequisite: PLS 101. Introduction to public administration in the United States. Nature and scope of public administration, public interest in the administrative process, role of administrators, formal and informal organization, public personnel and financial management.

PLS 309. The American Chief Executive (3) Prerequisite: PLS 101. An examination of the concept of a political chief executive as a coordinate member, with legislature and courts, of a government team. Emphasis will be placed on the powers, roles, decision-making processes, and institutional development of the offices of president, governor, and mayor.

PLS 310. (P&R 310) Legal Philosophy and Jurisprudence (3) Prerequisite: Junior standing and/or consent of the instructor. An introduction to the nature, concept and sources of law and the various schools of jurisprudence. Topics treated include natural law; historical, analytical and sociological jurisprudence; idealism; utilitarianism; legal realism; equity, justice, precedent, custom and law; and the relation of law and morality.

PLS 312. Scope and Methods of Political Science (3) Prerequisite: PLS 101, 111, and 201. Synthesis of the theoretical questions, techniques, and approaches in the sub-fields of political science: American politics, comparative politics, international relations, political behavior, public law and political theory.

PLS 313. Early Political Thought (3) Prerequisite: PLS 111 or consent of instructor. An introduction to the origin and development of political theory from the 5th Century B.C. through the medieval era. Emphasis will be placed on the political ideas of Plato, Aristotle, the Epicureans, the Stoics, Cicero, Augustine, medieval philosophers, and Aquinas in order to discover the recurring themes of political inquiry.

PLS 314. Modern Political Thought (3) Prerequisite: PLS 111 or consent of instructor. A critical examination of political ideas from 1500 to 1900 with special attention to those of Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Hume, Burke, Hegel, Bentham, Marx, the Mills, Spencer, T.H. Green and Nietzsche.

PLS 315. Contemporary Political Ideologies (3) Prerequisite: PLS 111 or consent of instructor. A study of the concept of ideology and its significance in the modern world. Systematic analysis of the major political ideologies of the 19th and 20th centuries with emphasis on democracy, communism, fascism, nationalism, anarchism, and the New Left.

PLS 316. Women and Politics (3) Prerequisite: PLS 111 or 101 or consent of instructor. An introduction to political perspectives on sex role differentiation. Among the topics to be discussed will be political socialization of women in ancient and modern society; women's roles in politics and government; political consequences of women's entry into the work force; and contemporary issues in the women's movement. Emphasis will be placed throughout on comparative political analysis.

PLS 329. Ocean and Coastal Law and Policy (3) Prerequisite: PLS 209. National and international laws and policies concerning the ocean. Topics include: fisheries management, marine mammal protection, shipping and navigation, oil and chemical pollution, coastal and wetlands protection, submerged lands, riparian rights, and public access to coastal lands and waters.

PLS 330. Political Systems of Africa (3) Prerequisite: PLS 111 or consent of instructor. The governments and politics of selected sub-Saharan African states. A survey from colonial days to the present with emphasis on contemporary economic, social and political problems.

PLS 331. Politics in Developing Nations (3) Prerequisite: PLS 111 or consent of instructor. An examination of the political, economic, and social problems confronting developing nations. Attention will be given to such issues as cultural pluralism, one-party states, military dictatorships, and U.S. relations with the developing world.

PLS 332. Politics of Central America and the Caribbean (3) Prerequisite: PLS 111. Political structures of Central America and the Caribbean, and the impact of socio-economic forces on these.

PLS 333. Politics of South America (3) Prerequisite: PLS 111. Politics of South America and the impact of socio-economic forces on the region and its political stuctures.

PLS 334. Revolutionary Movements (3) Prerequisite(s): PLS 111 or 230 or consent of instructor. Introduction to the social, political, and economic conditions which give rise to radical response. Examines small rebel bands, or militias (commonly referred to as guerrilla movements), and terrorist organizations, as well as large-scale revolutionary movements.

PLS 335. European Political Systems (3) Prerequisite: PLS 111 or consent of instructor. Political institutions and processes of selected European countries, including Great Britain, France and Germany.

PLS 336. Political Systems of Russia and Eastern Europe (3) Prerequisite: PLS 230 or consent of instructor. A comparative study of the political institutions and processes of Russia and the eastern European Countries. Post-Soviet dynamics and the nature and significance of contemporary changes.

PLS 338. Political Systems of the Middle East (3) Prerequisite: PLS 111 or consent of instructor. The governments and politics of the Middle East with emphasis on the changes that have loccurred since 1945. A detailed examination of the forces that have shaped contemporary Middle Eastern politics: Islam, nationalism, modernization, and current political trends. The political institutions and processes and the domestic and foreign policies of selected countries will be studied.

PLS 339. Political Systems of Asia (3) Prerequisite: PLS 111 or consent of instructor. The political systems of selected Asian countries. Special emphasis on the contemporary political, social and economic problems of India, Pakistan, Japan, China, Indonesia and other Asian countries.

PLS 340. Blacks in American Politics (3) Prerequisite: PLS 111 or 101 or consent of instructor. A study of American political institutions and processes through the eyes of Black America. This study will analyze the power structure in the black community, dissent and protest, black participation in the political system, black leaders and politicians and their politics, and the uniqueness of black politics as compared with the wider spectrum of the political system.

PLS 401. Senior Seminar (3) Prerequisite: Senior standing and 33 hours in political science. The capstone course that integrates knowledge from the major subfields in political science. An examination of the discipline's relationship to careers and citizenship.

PLS 405. American Parties and Pressure Groups (3) Prerequisite: PLS 101 or consent of instructor. Historical and analytical treatment of the appearance and realignment of political parties during the five successive "national party systems" since the beginning of the republic. Special emphasis is given to the question of contemporary party disarray and potential realignment.

PLS 406. Contemporary Southern Politics (3) Prerequisite: PLS 101 or the consent of instructor. An examination of recent developments throughout the American South and their impact on national politics. Topics covered include southern political culture, the decline of the one-party system, and the changing roles of blacks and organized labor. Emphasis is placed upon independent research projects involving student analysis of census, election return, and public opinion survey data.

PLS 411. (SOC 411) Techniques of Public Opinion Polling (3) Prerequisite: PLS 201 or SOC 301 or consent of instructor. Basic skills in all phases of public opinion polling; issue focus; questionnaire construction; sample selection, interview techniques; elementary data analysis; interpretation and presentation of results. Opinion polls of current political and social issues conducted as class projects to develop these skills.

PLS 415. American Political Thought (3) Prerequisite: PLS 101 or consent of instructor. American political thought from the colonial period to the present.

PLS 422. Contemporary American Foreign Policy (3) Prerequisite: PLS 101 or 111. The roles and interrelationships of Congress, the media, public opinion, the president, the secretaries and departments of state and defense, and the intelligence community are examined. Emphasis is placed on the content and the dynamic aspects of the process of policy formulation and implementation.

PLS 423. National Security Policy (3) Prerequisite: PLS 101. A study of formulation of security policy, including the roles of the executive and legislative branches and of non-governmental factors; evolution of changing assumptions, strategies, and goals; the nature of U.S. security requirements, U.S. military commitments abroad, and the cost of strategies based on weapons superiority, arms control, and disarmament.

PLS 425. International Politics (3) Prerequisite: PLS 111 or consent of instructor. Nature of international relations including analyses of basic factors motivating national policies; the United Nations and other international organizations as institutions for promoting peace and welfare in a world of sovereign states.

PLS 426. International Law (3) Prerequisite: PLS 101. Nature, development and basic concepts of international law. Examination of the scope, sources and sanctions of international law; its relation to municipal law; the rights and duties of states and individuals; methods of settling international disputes. Characteristic cases used as illustrations.

PLS 427. International Organizations (3) Prerequisite: PLS 111 or 101 or consent of instructor. A survey of the evolution, objectives and methods of various types of regional and universal organizations and their role in contemporary international relations. Special emphasis will be placed on the principal functions and agencies of the United Nations and the European economic community.

PLS 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

PLS 495. Departmental Seminar (1-3) Prerequisite: Six hours of political science and consent of department chairperson. Consideration of special topics in political science. May be repeated for additional credit.

PLS 498. Internship in Political Science (3-6) Prerequisite: PLS 101, 111, 201, and one of the following: PLS 300, 304, 308; junior or senior standing in political science; overall 3.00 GPA or consent of instructor. Experiential learning with selected public or private agencies or with an individual which allows the student to utilize academic training while learning from a practical field experience. (Formal research project is a major part of the internship.) May be repeated up to a maximum of six credits.

PLS 499. Honors Work in Political Science (2-3) Prerequisite: Eligibility for honors program and junior or senior standing. Individual study for honors students.

For 292 and 492; 294 and 494, see explanations on p 151, 94.

Portuguese Course Descriptions

(Department of Foreign Languages and Literatures)

PRT 101-102. Introductory Portuguese (3-3) Emphasis on the acquisition of an active and useful command of the language. Intensive aural-oral practice with the study of grammatical structures along with the pursuit of a reading and writing ability. Discussions to introduce the students to the culture of the Portuguese-speaking areas of the world, primarily Brazil and Portugal.

PRT 201-202. Intermediate Portuguese (3-3) Prerequisite: PRT 102 or equivalent. A review of the grammatical structure of the language, application of the language in composition, conversation and readings.

Psychology Course Descriptions

(Department of Psychology)

PSY 105. General Psychology (3) Principles of psychology with emphasis on scientific methods used in studying human behavior.

PSY 110. Self-Management and Self-Motivation (3) Techniques and concepts to provide knowledge, skills, and attitudes to improve performance. Development in coping skills, including determination and modification of motivation, self-management and time-management skills, and efficient methods of learning and organizing materials and solving problems. (Not for social science general degree requirement or psychology major credit.)

PSY 145. Psychology Applied to Human Life (3) Psychological principles and findings as applied to particular fields of endeavor and to various stress situations. Primary emphasis on the problem of human adjustment.

PSY 210. Science and Pseudoscience (3) Prerequisite: PSY 105 and sophomore standing. Examination of bases for scientific and pseudoscientific claims to knowledge. Considers criteria for description and explanation in science; uses these criteria to demarcate between areas that are scientific and those whose claims to be scientific are questionable. Evaluates areas such as parapsychology and astrology. Emphasizes use of critical thinking skills.

PSY 216. Educational Psychology (3) Prerequisite: PSY 105 is suggested. Study of the application of psychological theories and principles in educational settings.

PSY 220. Child Psychology (3) Prerequisite: PSY 105. Human psychological development through childhood and early adolescence. Normal development is emphasized.

PSY 221. Adolescent Psychology (3) Prerequisite: PSY 105. Human psychological development from late childhood through adolescence. Normal development is emphasized.

PSY 223. Life Span Human Development (3) Prerequisite: PSY 105. Variables and factors underlying human growth and development across the life span. Physical, cognitive, social, emotional, and sexual development are emphasized.

PSY 225. Introductory Statistics for the Behavioral Sciences (4) Prerequisite: PSY 105 and a "C" or better in MAT 111 or a higher level MAT course. Limited to students concentrating in psychology. Introduction to the statistical techniques most often used by behavioral scientists for either descriptive purposes or hypothesis testing. Parametric techniques are emphasized, but nonparametric tests are included. Three lecture and two laboratory hours each week.

PSY 245. Drugs and Behavior (3) Prerequisite: Three semester hours credit in psychology. Psychological aspects of drug use and abuse. Emphasis on the effects of major psychoactive drugs (including alcohol) on behavior, the psychological determinants of drug use, and treatment of drug abuse.

PSY 262. Psychology of Consciousness (3) Prerequisite: PSY 105. Mental processes which occur during various states of human consciousness such as sleep, biofeedback and meditation. Emphasis on the research and theories of brain processes during states of consciousness.

PSY 265. Human Sexual Behavior (3) Prerequisite: Three hours of psychology, excluding PSY 110. Psychological aspects of human sexuality with emphasis on psychosexual development and behavior. Includes discussion of causative factors and treatment of sexual disorders and deviations.

PSY 311. Psychology of Language (3) Prerequisite: PSY 105. An introduction to theory and research concerning human language use. Topics include the nature of human linguistic competence, the perception of speech, the comprehension of speech, memory for verbal information, the production of speech, and the biological basis of human language.

PSY 320. Psychology of Infancy and Early Childhood (3) Prerequisite: PSY 220 or 223. An in-depth examination of development from conception through kindergarten age. Both normal and a typical development are considered from a biopsychosocial perspective. Methodological and theoretical issues are emphasized.

PSY 322. Psychology of Exceptional Children (3) Prerequisite: PSY 105 and 220 or 223. Physical, cognitive, and personality characteristics of the major types of childhood exceptionality, including high intelligence and creativity, mental retardation, learning disabilities, emotional disorders, language impairments, and sensory and physical handicaps. Assessment, etiology, family relations, and treatment.

PSY 324. Psychology of Aging (3) Prerequisite: PSY 105, 223, or GRN 101. A study of the psychological aspects of human aging. Topics include the effects of normal and diseased aging on perceptual and cognitive functioning, personality and social relationships, and physical and emotional health.

PSY 336. Industrial Psychology (3) Prerequisite: PSY 105. Psychological techniques in personnel selection and placement, merit rating, reduction of accidents, training, morale, and other factors utilized in industrial work.

PSY 337. Psychology of Careers (3) Prerequisite: PSY 105 or consent of instructor. Individual career behavior and development. History of career psychology, theories of career development and choice, as well as stimulus, organismic, and response variables correlated with the choice process. Theories and research about career motivation and adjustment; prediction of success and satisfaction. Systems for defining career problems are included.

PSY 346. Psychology of Personality (3) Prerequisite: PSY 105. A study of the basic facts concerning the structure, organization, and adjust mental mechanisms of personality.

PSY 347. Psychopathology (3) Prerequisite: PSY 105. The study of behavioral pathology. Emphasis will be placed on the underlying factors of the neuroses, psychoses, and character disorders.

PSY 350. Principles of Behavioral Change (3) Prerequisite: PSY 105. Application of the principles of behavioral control in interpersonal, educational, and clinical settings. Emphasis on behavioral modification techniques such as contingency management, desensitization, biofeedback, etc.

PSY 352. Behavioral Medicine (3) Prerequisite: PSY 105 or 145. Integrates psychological and biomedical knowledge relevant to physical health and illness. Describes the interaction of psychological phenomena with the epidemiology, etiology, pathogenesis, treatment, and rehabilitation of physical disorders.

PSY 355. Introduction to Experimental Psychology (4) Prerequisite: PSY 225. Basic principles of psychological research design and evaluation, including techniques of data collection and analysis, and conduct, interpretation, and reporting of various types of psychological research. Experimental research is emphasized. Three lecture and three laboratory hours each week.

PSY 365. Social Psychology (3) Prerequisite: PSY 105. Individual human behavior as a function of the influence of other persons. Emphasis on the psychology of person perception, interpersonal communication and relationships, attitude formation and change, and small group behavior.

PSY 366. Psychology of Marriage and Family (3) Prerequisite: Three hours of psychology. Personality development within the marriage and family including recent theoretical and empirical findings on courtship, interpersonal attraction, marriage contract, and the various stages of the family life cycle. Communication, familial functioning and dysfunctioning are emphasized.

PSY 370. (EVS 370) Environmental Psychology (3) Prerequisite: PSY 105. Interactions between the physical environment and the behavior of the individual. Emphasis on perception of the environment, the behavioral effects of noxious factors in the environment, the psychology of environmental design, and the formation and change of attitudes about the environment.

PSY 405. History and Systems of Psychology (3) Prerequisite: Fifteen semester hours credit in psychology. History of psychology relative to current trends.

PSY 410. Cognitive Psychology (4) Prerequisite: PSY 355. Introduction to theories and research related to human cognition. Memory, attention, problem solving, and thinking are emphasized. Three lecture and three laboratory hours each week.

PSY 412. Sensation and Perception (4) Prerequisite: PSY 355. Survey of sensory and perceptual processes, techniques for measuring sensations and perceptions, and theories of perception. Psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world are examined. Demonstrations introduce students to interesting perceptual phenomena. Three lecture and three laboratory hours each week.

PSY 416. (516) Adult Development and Life Transitions (3) Prerequisite: One of the following: PSY 220, 221, 223, 320, or 324. A course in human development. An exploration of the major normative and nonnormative changes that take place during adulthood. Operating from a lifespan perspective, includes examination of how adults initiate, understand, cope with and resolve life transitions (e.g., parenting, loss, illness, career change, relationships, change.)

PSY 417. Psychology of Learning (4) Prerequisite: PSY 355. Study of the basic facts related to the learning process. Effects of reinforcement, extinction, generalization and discrimination, verbal learning and retention, as well as other phenomena, are considered. Three lecture and three laboratory hours each week.

PSY 418. Motivation and Emotion (3) Prerequisite: PSY 105 and BIO 105 or consent of instructor. Psychological theory and research in the areas of motivation and emotion. Basic as well as more complex motive states are examined as they arise from physiological needs and from learning and cognitive processes. Data from animal as well as human studies are considered.

PSY 425. Psychological Tests and Measurements (3) Prerequisite: PSY 105 and 225 or consent of instructor. Introduction to theory and practice of test construction, including a survey of intelligence, achievement and personality tests and their applications.

PSY 445. (545) Chemical Dependency (3) Prerequisite: PSY 245 and 355. Theory, method and research in the study of substance abuse. Advanced consideration of the causes, consequences and treatments of the major addictive disorders.

PSY 449. Psychology of Death (3) Prerequisite: PSY 105. Psychological aspects of death and dying. Conceptualizations of and behavior toward one's own demise. Emphasis on the behavioral context surrounding terminal illness, suicide, and homicide. Psychological aspects of gerontology also considered.

PSY 450. Introduction to Counseling (3) Prerequisite: PSY 346 or 347. The major historical and contemporary theories of counseling including Freudian, client-centered, behavioristic and existential are reviewed. Examination of each theory is accompanied by demonstration and role-play situations in which the elements of each theory are explored.

PSY 451. Supervised Counseling Practice (3) Prerequisite: PSY 346, 347 and 450 and consent of instructor. Supervision of student practice in application of counseling skills and techniques in a variety of in-service situations. Students participate in supervised counseling experiences in local social service agencies. Emphasis on practice of skills combined with regular consultation with the supervisor. May be repeated once for additional credit.

PSY 452. Ethical Principles in Psychology (1) Prerequisite: Permission of the instructor. Ethical considerations involved in counseling and psychotherapy, psychological testing, and the use of human subjects in research.

PSY 455. Advanced Psychological Research (3) Prerequisite: PSY 355 and consent of instructor. Experience in the design, conduct, and evaluation of psychological research. Advanced design and analysis techniques. Each student designs and conducts a research project and a laboratory exercise for PSY 355. Offered on demand.

PSY 456. Physiological Psychology (3) Prerequisite: PSY 105 and BIO 105 or consent of instructor. Anatomy of the nervous system and the roles which various neural structures play in the control of behavior.

PSY 457. Animal Behavior (3) Prerequisite: PSY 105 and BIO 105 or consent of instructor. Animal behavior including the traditional areas of ethology and comparative psychology. Primary emphasis is upon the similarities and differences in the behaviors of animals occupying various phylogenetic positions.

PSY 465. Community Psychology (3) Prerequisite: PSY 105. PSY 365 is suggested. Contributions of psychology to the understanding of an individual's behavior as influenced by the community environment. Emphasis on problems associated with community mental health.

PSY 470. Cross-Cultural Psychology (3) Prerequisite: PSY 105 and six additional hours of anthropology or psychology or consent of instructor. Cultural factors which influence human behavior. Psychological theory and research covering such topics as cultural effects on perception, cognition, life span development, mental illness, personality and language.

PSY 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

PSY 495. Topical Seminar (1-3) Prerequisite: PSY 105 and consent of instructor. Discussion of selected topics in psychology. May be repeated for additional credit.

PSY 499. Honors Work in Psychology (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494; see explanations on p 151, 94.

Parks and Recreation Course Descriptions

(Department of Health, Physical Education and Recreation)

REC 103. (PED 103) Physical Education/Recreation Activity Program of Outdoor Pursuits (3) Prerequisite: PED 101 or equivalent. Study of and participation in the skills and knowledge of various outdoor recreational activities in a natural setting. Minimum of 10 one-hour lecture sessions and a minimum of 11 excursion days. Travel and subsistence costs for activities borne by the student. (Non-majors may repeat PED 103, in a different activity area, only once.)

REC 104. Challenge Ropes Course (1) Theory and practice of Challenge Ropes Course activities. Introduction to conducting such programs for various populations.

REC 105. New Games (1) Theory and practice of new game activities (noncompetitive activities). Appropriate leadership styles and uses of such activities with various populations.

REC 106. Backpacking (1) Theory and practice of backpacking activities that take place in natural resource areas. Participation in an overnight field experience is required.

REC 107. Ultimate Frisbee (1) Instruction and participation in the skills, strategies, and rules of Ultimate Frisbee.

REC 265. Introduction to Recreation and Parks (3) Scope, development, structure, purposes, functions, interrelationships of public, commercial, private and voluntary agencies engaged in rendering recreation and park services.

REC 266. (PED 266) Applications of Computers in Health, Physical Education, and Recreation (2) Computer applications in health, physical education and recreation focusing upon the skills necessary to solve professional problems in the field. No previous computing experience required. Open to declared HPER majors only.

REC 270. Program Planning and Leadership (3) An introduction to recreation program planning and leadership, including organization, implementation and evaluation of leisure ser-

vices. Includes group leadership techniques and assessment of leisure needs. Students plan, implement, and evaluate a variety of activities in and out of class.

REC 271. Camp Leadership and Management (3) Prerequisite: REC 265 or consent of instructor. Study of the segment of park and recreation programs involved with current camp practices, philosophy, leadership and management.

REC 280. Experiential Techniques for Interpreting Outdoor Recreation Resources (3) Prerequisite: REC 265. Techniques for interpreting natural and cultural resources to the visiting public in outdoor recreation settings. Focus is on the development of experiential program techniques and the use of written, visual, and audio-visual media to provide outdoor living skills, natural history, cultural heritage, and ecological concepts to the public.

REC 348. Field Experience in Recreation (3) Prerequisite: REC 265 and 270. Supervised experience in recreation and/or park setting. Relates theory to practical application in the field. Placements chosen from community, commercial, outdoor or therapeutic recreation settings. Requires a minimum of 60 hours of field work.

REC 351. Travel and Tourism (3) An introduction to the commercial area of the leisure field which is concerned with travel and tourism. Emphasis on travel motivation; economic, social, environmental and cultural impacts; and marketing and promotion of travel and tourism.

REC 352. Commercial Recreation and Tourism Entrepreneurship (3) Prerequisite: REC 265 or consent of instructor. Identification of market opportunities in the leisure industry. Evaluation of viability and feasibility, and organization of enterprises in pursuit of these opportunities. Opportunity search methods, sustain ability analysis, and opportunity pursuit processes.

REC 359. (PED 359) Research and Evaluation in Health, Physical Education and Recreation (3) Methods of research in the fields of health, physical education and recreation. Identification of research problems, sampling methods, data analysis and interpretation, and planning of evaluation studies.

REC 360. (EVS 360) Natural Resources Recreation Management (3) Prerequisite: REC 265 or declared EVS major or consent of instructor. The history, development, legislation and management of natural resource-based recreation areas. Management techniques used by federal, state and municipal recreation resource agencies highlighted

REC 361. History and Philosophy of Natural Resources Management (3) Development of natural resources management in the United States. Specific attention to historical development of natural resources management policy, and the philosophical stance of individuals who are instrumental in creation of those policies.

REC 366. Coastal Recreation Resource Management (3) Prerequisite: REC 360 or consent of instructor. An in-depth study of coastal legislation, resources, issues and management. Special attention is given to understanding recreation in the coastal zone, conflicts among competing coastal resource users, and current issues pertaining to North Carolina's coastal environment.

REC 367. The Arts and Recreation (3) Prerequisite: REC 265. Administrative problems involved in organizing quality cultural arts in recreation and parks departments and other leisure services agencies. Areas to be examined include financing, personnel, facilities, and equipment. Funding possibilities and relationships between the National Endowment for the Arts, state arts, state arts councils, local arts councils, and recreation and parks departments will also be studied.

REC 368. Introduction to Therapeutic Recreation (3) Prerequisite: REC 265 or consent of instructor. Therapeutic recreation service: its historical and professional development; characteristics and leisure needs of special populations it serves; settings for service delivery such as hospitals, residential care facilities, and communities.

REC 369. Therapeutic Recreation for the Aging (3) Prerequisite: REC 368 or GRN 101 or consent of instructor. Biological, sociological, and psychological aspects of aging as related to the planning and delivery of therapeutic recreation services for dependent and independent elderly.

REC 370. Therapeutic Recreation: Principles and Procedures (3) Prerequisite: REC 368. Specific attention to principles and practices of therapeutic recreation service. Topics include assessment; activity analysis; task analysis; activity, facility and equipment adaptations; risk management; standards of practice; facilitation techniques.

REC 375. Managing Leisure Service Organizations (4) Prerequisite: REC 265 and REC 270. Principles and practices of contemporary leisure service management, particularly the effective and efficient management of market, manpower, money, materials, and machinery. Tutorials, case studies, and microcomputer applications. Three lecture and one laboratory hour each week.

REC 430. Managing Leisure Service Quality (3) Prerequisite: REC 375. Principles of managing and delivering leisure services by recreational organizations or agencies. Emphasis on how to build a service quality information system, formulate a service strategy, develop service personnel, and organize service delivery and recovery.

REC 440. Legal Issues in Recreation Services (3) Prerequisite: REC 375 or consent of instructor. Examination of legal and legislative issues affecting the leisure delivery system in governmental, quasi-public, private, commercial, and institutional settings. Topics include terminology, risk management procedures, ordinances, regulatory law, licensing, legal redress, and constitutional law at the national and state levels.

REC 450. Conflict Management in Recreation Leadership (3) Prerequisite: REC 375. An experiential approach to the study of conflict management in recreational leadership and administration. Emphasis on conflict resolution and conflict stimulation; individual and group conflict; and problem solving.

REC 465. Park Planning and Design (3) Prerequisite: REC 360. Basic principles of planning and developing recreation and park areas and facilities. Emphasis on land use, current planning practices and standards, and facility design.

REC 467. Leisure Education in Therapeutic Recreation (3) Prerequisite: REC 368 or consent of instructor. An overview of the leisure education process as an aspect of therapeutic recreation service delivery. The course encompasses a review of leisure education and strategies for the development, implementation, and evaluation of leisure education programs for persons with disabilities.

REC 468. Therapeutic Recreation: Program Planning and Implementation (3) Prerequisite: REC 467. Advanced course in programming therapeutic recreation services. Emphasis on systems planning of comprehensive and specific programs; evaluation; documentation; guidelines for administration of therapeutic recreation services; professional issues and trends.

REC 470. Advanced Natural Resource and Wildland Management (3) Prerequisite: REC 360 or consent of instructor. An in-depth study of natural resources legislation and management. Emphasis on historical and philosophical roots of wildland resource management in North America.

REC 480. Trends and Issues in Therapeutic Recreation (3) Prerequisite: REC 368. Contemporary topics in therapeutic recreation, including discussion of professional issues with therapeutic recreation specialists representing clinical, residential, and community settings.

REC 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

REC 495. Seminar in Recreation (3) Prerequisite: REC 375. A culmination of study in the field of recreation. Discussion of selected topics concerning current issues and trends in the profession.

REC 498. Internship in Leisure Services (12) Prerequisite: Senior standing and completion of all other recreation courses required for the major. A progression of professional field experience, practical experience involving program planning and administrative procedures in public, private, commercial, institutional, or non-profit settings. (A minimum of 480 hours of field work is required.)

REC 499. Honors Work in Recreation (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p 151, 94.

Science, the Humanities and Society Course Description

(College of Arts and Sciences)

SHS 110. Introduction to Science, the Humanities and Society (3) An introduction to the interrelationships between science, technology, humanities, and society. Topics include interdisciplinary approaches of history and philosophy to how and why scientific research is done, the impact of science on society and of society on science, and contemporary issues.

Sociology Course Descriptions

(Department of Sociology and Anthropology)

SOC 105. Introduction to Sociology (3) Introduction to the scientific study of human society and social behavior.

SOC 110. Sociology in Contemporary Life (3) An introductory level course designed to enable students to think about and interpret the social world and events around them. Emphasis will be placed on discovering your social self, understanding social interaction, and interpreting the relationship of the individual with modern industrial society.

SOC 200. Sociology of Sport (3) A sociological examination of the rise of sport in contemporary society. Topics such as the social organization of sports, women and sports, sports and violence, inter-scholastic sports and achievement behavior, discrimination and sports, and the future of sports are covered.

SOC 205. (ANT 205) Human Societies (3) The comparative study of human society and culture with selected ethnographic examples to illustrate human adaptation to specific environments and reveal patterns of major social institutions—economy, marriage and kinship, politics and religion—which underlie and support a particular way of life. Comparisons are drawn among hunter-gatherer, tribal horticultural, peasant and modern industrial societies. Perspectives on the dynamic of social process and cultural change are also introduced.

SOC 215. Modern Social Problems (3) Contemporary social issues and conditions viewed as problematic, such as racism, sexism, crime, poverty, war, alienation, and deviance.

SOC 220. Sociology of Birth and Death (3) The examination of the sociological dimensions of "human entry and exit." The social organizational and cultural dimensions of birth and death will be considered in terms of rites of passage, bureaucratizations, social movements, cultural differences, and historical and contemporary contexts.

SOC 230. (ANT 230) Utopian and Communal Societies (3) A theoretical and descriptive analysis of "intentional" communities and social systems. Coverage of earliest utopian experiments and modern rural and urban communes. Communities are viewed in terms of their origin and purpose, ideology, subsistence, social patterns, relations with the outside world, and survival.

SOC 300. Methods of Social Research (3) Prerequisite: SOC 105. Introduction to the logic and the methods of sociological research. Topics include the connections between theory and research, problem formulation and research design, conceptualization and measurement, sampling modes of observation and analysis, ethical issues, and the political context of research.

SOC 301. Sociological Data Analysis and Interpretation (3) Prerequisite: SOC 300. Instruction in computer-assisted univariate and bivariate analysis and interpretation of social science data.

SOC 303. Mass Media and Society (3) Prerequisite: SOC 105. The relationship between mass media, culture, and society with special emphasis on the social, political, and economic contexts of the mass media. Media examined include television, the press, films, popular music, and the electronic superhighway.

SOC 304. Popular Culture (3) Prerequisite: SOC 105. Sociological analysis of popular forms of everyday life in America: fashion, fads, entertainment trends, advertising, television programming, music, myths, sterotypes, and icons of mass-mediated culture.

SOC 305. Population (3) Prerequisite: SOC 105. A study of the changes in size, composition, distribution of population and the dynamics underlying them.

SOC 310. Applied Sociology Seminar (3) Prerequisite: SOC 105. An examination of the practical uses of the sociological perspective and theory, research, methods, and data. Includes survey, clinical, planning, program and community development, and evaluation applications. Field trips to key job sites, where successful practitioners make presentations and answer questions.

SOC 315. Urban Sociology (3) Prerequisite: SOC 105. Analysis of the history and development, social organization, and problems of the city.

SOC 325. Racial and Ethnic Group Relations (3) Prerequisite: SOC 105. An examination of race and ethnicity in modern societies and social, economic, and political inequalities among racial and ethnic groups. Major topics include political-economic causes and consequences of prejudice, racism and institutional discrimination; social history of intergroup relations in the United States; comparative intergroup relations.

SOC 326. Collective Behavior and Social Movements (3) Prerequisite: SOC 105. Analysis of social behavior that breaks from existing patterns and expectations, such as riots, crowds, revolution, and social movements.

SOC 335. The Sociology of Deviant Behavior (3) Prerequisite: SOC 105. The analysis of certain behavior in terms of deviations from norms; the application of sociological and psychological concepts and theory to deviant behavior, and the critical evaluation of non-sociological research and theories.

SOC 336. Sociology of Aging (3) Prerequisite: SOC 105 or GRN 101. Sociological theories and methods used to explain the aging process. Topics include demography, age stratification, aging and the life course, minority elderly, housing patterns, health, and social policy.

SOC 337. Medical Sociology (3) Prerequisite: SOC 105. A sociocultural analysis of the general area of health and illness. Emphasis is given to understanding the distribution of health and illness in the United States and its impact on the patient status. The course includes a discussion of the organization and use of health care services from a sociological perspective.

SOC 340. Organizations in Modern Society (3) Prerequisite: SOC 105. An introduction to the dynamics of social life in large-scale organizations. Topics include organizational social psychology, organizational structure and process, and organization-community relations.

SOC 344. The Sociology of Politics (3) Prerequisite: SOC 105 or PLS 101. Examines political institutions and political behavior from a sociological perspective. Topics include the social and economic origins of political behavior; the organization and distribution of political power and its effects on society, politics and social change.

SOC 345. Sociology of the Family (3) Prerequisite: SOC 105. Origin and development of the family as a social institution from an historical and comparative approach; analysis of forms and functions of the family; socialization, mate selection, procreation.

SOC 346. Sociology of Religion (3) Prerequisite: SOC 105. An analysis of the structure, function and process of religion, emphasizing the reciprocal relation of religion and cultural and religious differentiation and institutionalization.

SOC 347. Sociology of Education (3) Prerequisite: SOC 105. Historical-comparative sociological analysis of formal education systems in modern societies. Examination of sociological theories of education as they apply to political economy, stratification, social selection, cultural reproduction, and social change.

SOC 348. Sociology of Leisure and the Arts (3) Prerequisite: SOC 105. This course surveys existing theory and research with respect to the concept of leisure. Specific attention is devoted to sociological analyses of trends, differentials, and time expenditures which population categories exhibit in recreational, sporting, and arts activities.

SOC 349. Sociology of Children and Childhood (3) Prerequisite: SOC 105. Sociological theory and methods related to children and childhood from infancy to early adolescence. Topics include the social construction of childhood; child development and socialization; race, class, and gender in childhood; and social problems affecting children.

SOC 350. Gender and Society (3) Prerequisite: SOC 105. Focus on gender in social life. Theoretical explanations of gender differentiation, with an emphasis on socialization, stratification, family, work, education, politics, and social change.

SOC 355. Criminology (3) Prerequisite: SOC 105. The nature, variation and causes of crime are studied as aspects of the American culture.

SOC 360. Social Theory (3) Prerequisite: SOC 105 and six additional hours in sociology. An introduction to major theoretical perspectives in sociology including functional theory; conflict theory; exchange theory; interactionist theory; and structural theory.

SOC 365. Social Psychology (3) Prerequisite: SOC 105. A sociological analysis of human social interaction. Topics include symbolic interaction, socialization, interpersonal relations. Focus is on social and cultural influences on individual and group behavior.

SOC 366. Social Change (3) Prerequisite: SOC 105. The study of social and cultural change in community and society with emphasis upon the rate and degree of change, direction of change, mechanism of change, and planning of change.

SOC 375. Juvenile Delinquency (3) Prerequisite: SOC 105. The analysis and description of the problem of juvenile delinquency as it exists in a changing contemporary society.

SOC 380. Social Classes (3) Prerequisite: SOC 105. Examination of social stratification as the system of distribution of privilege, power and prestige in modern and traditional societies. Discussion of major theories and theorists of stratification; the structure and process of systems of social inequality; the causes, correlates and consequences of socially structured inequality.

SOC 406. Advanced Social Research Methods (3) Prerequisite: SOC 302. A study of the social survey research process: problem formulation, literature review, instrument development, sample determination, data collection, statistical analysis, and report writing. Requirements include individual research proposals and a class research project.

SOC 411. (PLS 411) Techniques of Public Opinion Polling (3) Prerequisite: PLS 201 or SOC 301 or consent of instructor. Basic skills in all phases of public opinion polling; issue focus; questionnaire construction; sample selection; interview techniques; elementary data analysis; interpretation and presentation of results. Opinion polls of current political and social issues conducted as class projects to develop these skills.

SOC 416. (EVS 416) Human Ecology (3) Prerequisite: SOC 105 and six additional hours in sociology. A theory of community structure based on societal evolution as shown through the referential concepts of population, organization, environment and technology. An analysis of the spatial, temporal, functional and relational configuration of human communities.

SOC 418. Women and Aging (3) Prerequisite: At least junior standing and either SOC 336 or consent of instructor. Examines women's experience of old age and the aging process. Specific emphasis on family, medical, and economic institutions.

SOC 433. Sociology of Mental Illness (3) Prerequisite: SOC 105. Sociological theories of and social responses to mental illness. History and analysis of mental health systems.

SOC 438. Social Epidemiology (3) Prerequisite: SOC 105 or consent of instructor. Methods and substance of social epidemiology; demographics of illness in American society. Case studies linking environmental and behavioral variables to disease incidence examined. Specific attention to the social response to AIDS and other communicable diseases.

SOC 449. Sociology of Law (3) Prerequisite: SOC 105 and junior/senior standing. An analysis of the role of law in society. Special emphasis will be given to the relationship between law and social organization and the relation of sociocultural changes to substantive and procedural aspects of law. The concept of justice will also be analyzed. Law will be viewed as a collectivistic-individualistic process and as a reflection of sociocultural values.

SOC 460. Advanced Social Theory (3) Prerequisite: SOC 360. An examination of special topics in social theory with emphasis on the most recent developments. Topics include the sociology of knowledge and theory construction.

SOC 485. The Community (3) Prerequisite: SOC 105. Structure, process, and change in modern communities. Topics include analysis of the concept of community; the community as a social system; major community functions; relationships between the community and larger society; community stratification, power structure and organization.

SOC 486. Sociology of Work and Occupations (3) Prerequisite: SOC 105 and three additional hours in sociology or economics. Analysis of the place of work in society. Examines occupational structures as the primary link between persons and the larger society. Topics include the growth and development of occupational structure, occupations and technological change, and organizational complexity.

SOC 490. Senior Project (3) Prerequisite: SOC 301 and senior status. An independent project using sociological theory and methods to address a topic chosen by the student in conjunction with a faculty sponsor. Students will complete a research project, a theory project, or a practice/internship project. (Students must complete a "memorandum of understanding" in the semester prior to the course). All students will submit a paper and will deliver an oral presentation based on the senior project.

SOC 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

SOC 495. Topical Seminar (1-3) Prerequisite: SOC 105 and consent of instructor. Discussion of selected topics in sociology. May be repeated under a different subtitle.

SOC 499. Honors Work in Sociology (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent work for honors students.

For 292 and 492; 294 and 494, see explanations on p 151, 94.

Spanish Course Descriptions

(Department of Foreign Languages and Literatures)

SPN 101-102. Introductory Spanish (3-3) Emphasis on achievement of an active command of the language. Aural-oral practice; intensive study of the basic patterns of spoken Spanish; reading, writing and basic conversation. (For students with one year or less of high school Spanish.)

SPN 103-104. Introductory Spanish; Business Emphasis (3-3) Emphasis on achievement of an active command of the language spoken in the Hispanic world, with some emphasis on business vocabulary and protocols. Intensive study of the basic patterns of spoken Spanish, commercial practices and cultural concepts of the Spanish-speaking countries; reading, writing, and basic conversation. (SPN 103: Not open to students who have completed SPN 101, 102, or 120. SPN 104: Not open to students who have completed SPN 102 or 120.)

SPN 105. Spanish for Travelers (3) General interest course, but designed specifically for those planning to travel in a Spanish-speaking country. Emphasis on practical communication, current vocabulary and colloquial expressions. Realia and audio-visual aids used extensively. Course may be structured to answer specific individual needs.

SPN 120. Fundamentals of Spanish (3) Prerequisite: Two years of high school Spanish or appropriate department placement test score. A fast-paced approach to the achievement of a basic active command of the language. Aural-oral practice: intensive study of the fundamental structure of the language; reading, writing and basic conversation.

SPN 201-202. Intermediate Spanish (3-3) Prerequisite: SPN 102 or equivalent. A review of the grammatical structure of the language. Application of the language in composition, conversation and readings.

SPN 203. Intermediate Spanish: Reading (3) Prerequisite/corequisite: SPN 202 or equivalent. Emphasis on reading (fiction and non-fiction) with the goals of applying effective reading techniques and strategies, increasing vocabulary, and improving general reading and oral communication skills.

SPN 209. Spanish Literature in Translation: Topics (3) Study of representative works from the literature of Spain. Reading and class discussions in English. May be repeated under a different subtitle.

SPN 210. Spanish-American Literature in Translation: Topics (3) Study of representative works from the literature of Spanish America. Readings and class discussion in English. May be repeated under a different subtitle.

SPN 211. Spain Today (3) An examination of the institutions and social fabric of contemporary Spain as they evolved from traditional roots, including units on history, politics, regional culture, literature, music, art, customs and economic resources. Readings and class discussions in English.

SPN 212. Latin America Today (3) An examination of the institutions and social fabric of contemporary Latin America as they evolved from traditional roots, including units on history, politics, indigenous cultures, literature, music, art customs, and economic resources. Readings and class discussions in English.

SPN 304. Business Spanish (3) Prerequisite: SPN 202 or equivalent. Designed for students who need familiarization with the terminology necessary for the fields of economics, business, accounting, natural sciences and others. Business correspondence in Spanish and the currency systems of the Spanish-speaking countries are included.

SPN 305. Conversation and Composition (3) Prerequisite: SPN 202 or equivalent. Intensive training in spoken and written Spanish.

SPN 306. Advanced Grammar (3) Prerequisite: SPN 202 or equivalent. Grammatical forms and usage.

SPN 307. Phonetics (3) Prerequisite: SPN 202 or equivalent. Various speech phenomena; practice in phonetic transcription, pronunciation, and intonation.

SPN 308. Hispanic Linguistics (3) Prerequisite: SPN 307 or equivalent. An introduction to Hispanic phonology, morphology, syntax, dialectology, bilingualism, and sociolinguistics.

SPN 309. Tecnologías de la Información (3) Prerequisite: SPN 305. Creation and editing of documents in Spanish using work-processing, drawing and spreadsheet modules if an integrated computer application; videographic skill; Hispanic resources on the Internet and shortwave broadcasts.

SPN 311. Spanish Civilization (3) Prerequisite: SPN 202 and 203 or equivalent. Geographical, historical and cultural aspects of Spain.

SPN 312. Spanish-American Civilization (3) Prerequisite: SPN 202 and 203 or equivalent. Geographical, historical, and cultural aspects of Spanish America.

SPN 321. Introduction to Spanish Literature (3) Prerequisite: SPN 202 and 203 or equivalent. Selected readings covering the main currents of Spanish literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

SPN 322. Introduction to Spanish-American Literature (3) Prerequisite: SPN 202 and 203 or equivalent. Selected readings covering the main currents of Spanish-American Literature; emphasis on textual analysis and criticism in classroom discussions; oral and written reports.

SPN 401. Translation Techniques and Practices (3) Prerequisites: Native or near-native command of written English; SPN 203, SPN 306 and one additional Spanish course at 300 level or above. Translation of various kinds of texts and documents. Practical application of translation theory and development of strategies for solving predictable translation problems.

SPN 405. Advanced Conversation and Composition (3) Prerequisite: SPN 305 or equivalent. Emphasis on spoken Spanish and essay writing.

SPN 411. Topics in Spanish Civilization (3) Prerequisite: SPN 311 or equivalent. Advanced study in geographical, historical, and cultural aspects of Spain. Topics will focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

SPN 412. Topics in Spanish-American Civilization (3) Prerequisite: SPN 312 or equivalent. Advanced study in geographical, historical, and cultural aspects of Spanish America. Topics will focus on specific time periods, geographic areas, or cultural phenomena. May be repeated under a different subtitle.

SPN 421. Studies in Spanish Literature (3) Prerequisite: SPN 321 or equivalent. Study of representative Spanish authors, literary movements, and genres. May be repeated under a different subtitle.

SPN 422. Studies in Spanish-American Literature (3) Prerequisite: SPN 322 or equivalent. Study of representative Spanish-American authors, literary movements, and genres. May be repeated under a different subtitle.

SPN 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

SPN 495. Seminar in Hispanic Studies (1-3) Prerequisite: SPN 321 or 322 or equivalent. Cooperative study of a selected topic under the direction of departmental faculty. Research, informal presentations, reports, discussion. May be repeated under a different subtitle.

SPN 498. Internship in Spanish (3 or 6) Prerequisite: Junior standing and consent of instructor. A program of work and study conducted within an agency and/or setting that provides practical experience with observation and application of foreign language skills.

SPN 499. Honors Work in Spanish (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

Statistics Course Descriptions

(Department of Mathematics and Statistics)

STT 205. Introduction to Statistics with Applications in the Social Sciences (3) Prerequisite: MAT 101, 111, or 115. (Designed for students majoring in the social sciences.) Graphical and numerical methods for univariate data; bivariate data organization and measures of association; contingency table analysis; sampling distributions; estimation and hypothesis testing; introduction to linear regression and correlation.

STT 210. Introduction to Statistics with Applications in the Health Sciences (3) Prerequisite: MAT 111. Collection, tabulation and graphical representation of data. Measures of location and variation, measures of association and chi-squared distribution, correlation and regression, binomial, Poisson and normal distributions, estimation and tests of hypotheses. Health care statistics, elementary computer skills in analysis of data and interpretation of computer printout.

STT 215. Introduction to Statistics with Applications in the Natural Sciences (3) Prerequisite: MAT 111 or 115 or the equivalent preparation in algebra. (Designed for students majoring in the natural sciences.) Graphical and numerical descriptive methods; random variables and probability distributions; estimation and hypothesis testing (large and small samples); linear regression and correlation; one-way analysis of variance; contingency tables and goodness of fit.

STT 262. Introduction to Probability and Statistics I (3) Prerequisite: MAT 151 or 161. Introduction to descriptive statistics, random variables and probability distributions. Topics include descriptive statistics, data collection, graphical methods, measures of location, measures of dispersion; sample spaces, probability rules, conditional probability, Bayes' theorem; discrete and continuous random variables, probability distributions, mathematical expectation, Tchebyshev's theorem; common discrete and continuous probability distributions with applications.

STT 305. Statistics in Practice (3) Prerequisite: An introductory statistics course from any department. The approaches and techniques used in the current practice of statistics. Topics include exploratory and confirmatory analyses; interactive graphical data analysis using modern statistical software. No previous computer experience required.

STT 350. Survey Sampling (3) Prerequisite: An introductory statistics course from any department. Elementary survey sampling on the design and analysis of sample surveys. Topics include design of questionnaires; methods of data collection; sample-survey designs including simple random sampling, stratified sampling, cluster sampling, and systematic sampling; ratio and regression estimation; two-stage cluster sampling; sampling from wildlife populations; sources of errors.

STT 362. Introduction to Probability and Statistics II (3) Prerequisite: STT 262 and MAT 152 or 162. Introduction to statistical inference. Topics include joint, conditional and marginal distributions; covariance; functions of random variables, moment generating functions, sampling distributions, central limit theorem; point and interval estimation; hypothesis testing; contingency tables and goodness of fit test.

STT 411. (511) Design of Experiments and Analysis of Variance (3) Prerequisite: Any elementary statistics course. Review of elementary statistics; design of experiments including completely randomized, randomized block, factorial, split-plot, and repeated measures designs; analysis of variance; non-parametric alternative methods of analysis. Statistical software packages will be used as appropriate in problem solving.

STT 412. (512) Applied Regression and Correlation (3) Prerequisite: Any elementary statistics course. Review of elementary statistics; linear and multiple regression; correlation. Statistical software packages will be used as appropriate in problem solving.

STT 430. (530) Introduction to Non-Parametric Statistics (3) Prerequisite: STT 362. Theory and methods of non-parametric statistics in the one-and two-sample problems and their comparisons with standard parametric procedures. Non-parametric tests for comparing more than two samples; tests of randomness and independence.

STT 440. (540) Linear Models and Regression Analysis (3) Prerequisite: MAT 261 and 335 and STT 362. Theoretical introduction to the general linear model and its application to simple linear regression and multiple regression. Estimation and hypothesis testing of model coefficients; residual analysis; analysis of covariance.

STT 465. (565; MAT 465/565) Applied Probability (3) Prerequisite: MAT 261 and STT 362. The formulation, analysis and interpretation of probabilistic models. Selected topics in probability theory. Conditioning, Markov chains, and Poisson processes. Additional topics chosen from renewal theory, queuing theory, Gaussian processes, Brownian motion, and elementary stochastic differential equations.

STT 466-467. (566-567) Mathematical Statistics (3-3) Prerequisite: MAT 261 and STT 362. A rigorous introduction to mathematical statistics. Univariate and multivariate probability distributions; conditional and marginal distributions; theory of estimation and hypothesis testing; limiting distributions and the central limit theorem; sufficient statistics and the exponential class of probability density functions.

STT 475. Topics in Statistics (3) Prerequisite: Senior standing or permission of instructor. Topics of current interest in statistics not covered in existing courses. May be repeated under a different subtitle.

STT 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, at least a 3.00 average on all mathematics and statistics courses taken, junior or senior standing, and consent of instructor, department chair, and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalog.

STT 499. Honors Work in Statistics (2-3) Prerequisite: Eligibility for honors program. Individual study for honors students.

Social Work Course Descriptions

(Department of Social Work)

SWK 235. Introduction to the Social Welfare System (3) The social welfare institution and the social work profession in the United States; the values, methods and roles of social workers and the history of the system.

SWK 240. Basic Working Relationship Skills (3) Prerequisite: SWK 235 and corequisite: SWK 320. Multi-cultural working relationship skills for relationship-building, interviewing, problem identification, intervention and termination in generalist practice. Process recording, case assessment, summaries, and social work ethics and values will be covered.

SWK 306-307. Research Methods for Social Work Practice (3) Prerequisite: SWK 235. 306: Research methodologies in social work practice: client-centered research questions, theo-

retical frameworks, research designs, sampling, data collection, analysis and report writing. 307: Program and practice evaluation: designs, applications and ethical considerations.

SWK 310. Programs and Policies for Older Americans (3) Prerequisite: SWK 235 or GRN 101. Health, social, and income needs of an aging population will be related to current laws, programs, administrative networks, and politics. Current issues in the development of programs such as age-integration, community-based services, advocacy and protection will be covered.

SWK 311. Child Abuse and Neglect (3) Prerequisite: SWK 235. Current issues, national trends, and effective practice strategies. The continuum of child-welfare services needed to ensure child well-being including family preservation, child protection, permanency planning, residential care and adoption.

SWK 315. Issues for Social Workers in Mental Health (3) Prerequisite: SWK 235. Concepts of mental health and practice in social context. Managed care, models of practice, rural community mental health, and future directions in community health, all considered in a multicultural perspective.

SWK 316. Generalist Social Work in Rural Communities (3) Prerequisite: SWK 235. A survey of rural community life, its institutions, value systems, customs, and their implications for social work practice. Issues dealing with migrant workers and Native American cultures.

SWK 318. Social Work and Health Care Delivery (3) Prerequisite: SWK 235. An examination of the rationale, issues, problems and practices related to the implementation of client-centered health care. New programs and proposals for the delivery of health services will be reviewed systematically with reference to the implications for social work practice.

SWK 320-321. Human Behavior in the Social Environment I and II (3-3) Prerequisite: SWK 235, PSY 105, and either BIO 105 or 240. Perspectives on human development and behavior in diverse contexts, including: culture, oppression, poverty, gender, ethnicity, physical and social settings. Implications for social work practice and policies. 320: prenatal through adolescence. 321: young adulthood through death.

SWK 341. Generalist Social Work Practice with Individuals and Families (3) Prerequisite: SWK 240. Methods and model's of the social work process in diverse populations, settings, and social conditions. Basic problem-solving, advocacy, case management, and crisis inter-vention.

SWK 355. Working with At-Risk Populations (3) Prerequisite: SWK 235. Values, biases, and prejudices which produce personal and social vulnerability. Consequences in the lives of people of color, women, the poor, gays and lesbians, and others.

SWK 435. Social Welfare Policies (3) Prerequisite: PLS 101 and SWK 235. Corequisite: SWK 496. Social, cultural, economic, and political influences on the social welfare system. Policy-making, program development and planning.

SWK 442. Generalist Social Work Practice with Groups (3) Prerequisite: SWK 341. Basic group dynamics applied to task and treatment groups. Skills necessary to work effectively with groups and decision-making approaches that empower diverse peoples.

SWK 443. Social Work Practice with Communities and Organizations (3) Prerequisite: SWK 442 and corequisite: SWK 496 or 497. Knowledge, values, and skills common to social work practice at the community and organizational levels. Principles of social planning, community development, and social action. Topics include needs assessment, program planning and development, organizational change and program evaluation.

SWK 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

SWK 495. Topical Seminar (1-3) Prerequisite: SOC 105, SWK 235 and consent of instructor. Discussion of selected topics in social work. May be repeated under a different subtitle.

SWK 496, 497. Field Practicum I, II (6-6) Prerequisite: SWK 235, SWK 321, SWK 341, SWK 306 and consent of instructor. Development and application of skills used in social work practice. Supervision of student field experience in a community social service setting. Analysis and discussion of field experiences in a series of field seminars to be arranged by the field liaison. (A minimum of 480 hours of field work is required.)

SWK 499. Honors Work in Social Work (2-3) Prerequisite: Eligibility for honors program and senior standing. Independent study for honors students.

For 292 and 492; 294 and 494, see explanations on p 151, 94.

Technology Course Descriptions

(Technology College)

TEC 101. Technology Seminar (1) Prerequisite: Enrollment in the Technology College or consent of the director. An introduction to technology for the students in the Technology College. Topics include presentation software, the Internet, digital media, video-conferencing, and ethics of computer use. Students perform a service project under the supervision of the Technology College director.

Theatre Course Descriptions

(Department of Art and Theatre)

THR 112. Introduction to Dance (3) Appreciation of dance as an art form. The study of dance as a reflection and expression of various cultures from pre-history to present. Includes exposure to contemporary concert dance through films and televised or live performance. Introductory experience in selected dance techniques. Two class hours and two laboratory hours each week.

THR 130. Improvisation (3) Exploration of spontaneous dramatic playing through intensive exercises and theatre games meant to generate greater individual freedom and self-discipline, as well as to employ improvisation techniques in acting to develop characterization, stage movement, and ensemble performance.

THR 134. (PED 134) Dance Techniques I (2) Basic techniques at a beginning level, including ballet, jazz, and modern dance. Three studio hours per week. Accumulative credit limited to four semester hours.

THR 136. (PED 136) Movement Exploration (3) Study through creative dance techniques of the body's potential as a tool for creative expression. Exploration of the relationship of dance to other art forms. Solo and group work using basic art concepts and the individual's own experience as materials for movement improvisation and composition. No dance training necessary.

THR 201. Introduction to Technical Production I (3) Use of scenic materials, methods of construction, and handling of scenery. Basic use of stage lighting and stage properties. Three lecture and three laboratory hours per week. Requires participation in University Theatre productions.

THR 202. Technical Production II (3) Prerequisite: THR 201 or consent of instructor. Practical training in shop organization and technical production, plus basic principles of theatrical graphics. Two lecture and four laboratory hours each week. Participation in University Theatre productions required.

THR 205. Stage Make-up (2) Prerequisite: THR 231. Theory and practice in the application of make-up for theatrical performances. Emphasizes make-up design theory used by the actor

in his/her exploration of character. Requires crew participation in UNCW University Theatre production.

THR 206. Costume History (3) A survey of major historical costume styles through lecture, discussion, and projects.

THR 207. Costume Pattern Design and Draping (3) Development of skills in pattern making through the flat pattern and draping techniques along with garment construction applied to individual as well as departmental production projects. Three lecture and three laboratory hours per week.

THR 208. Costume Properties (3) Introduction to a variety of craft and garment accessory construction techniques. Individual and departmental production projects.

THR 210. Introduction to Theatre Design (3) A beginning study of aesthetics, principles, and materials employed in designing for the stage. Practical exercises in scene, costume, and lighting design. Includes a survey of trends in design throughout history.

THR 221. Introduction to the Theatre (3) Appreciation of theatre through an understanding of its artistic elements, history, dramatic literature, and audience involvement.

THR 225. History and Appreciation of Film (3) A survey through film of the development of motion picture from its primitive beginnings to the advent of sound film. A visual illustration of the basic aesthetic principles controlling film as art.

THR 230. Acting for Non-Majors (3) An introduction to basic acting techniques for non-majors.

THR 231. Acting I: Introduction for Theatre Majors (4) Prerequisite: Consent of instructor. Fundamental techniques of acting.

THR 234. (PED 234) Dance Techniques II (2) Prerequisite: THR 134 or PED 134 or consent of instructor. Basic dance technique at an intermediate level. Three studio hours per week. Accumulative credit limited to four semester hours.

THR 241. Painting and Property Studio (2) Structured involvement in theatre production preparation and running in the areas of scenic painting, properties, and set dressing. One lecture and six laboratory hours per week. Requires crew participation in UNCW University Theatre productions.

THR 242. Technical Production Studio (2) Structured involvement in theatre production preparation and implementation in the areas of scenic construction, lighting and sound installation. One lecture and six laboratory hours per week. Requires crew participation in UNCW University Theatre productions.

THR 243. Costume and Makeup Studio (2) Structured involvement in theatre production preparation and implementation in the areas of costume construction and makeup application. One lecture and six laboratory hours per week. Requires crew participation in UNCW University Theatre productions.

THR 244. Advanced Design and Production Studio (2) Prerequisite: THR 241, or 242, or 243. Structured involvement in theatre production preparation and implementation in serving in the capacity of assistant designer and/or crew head. Topics covered: design research, design and production drafting, crew management, formulating construction plans and supervising construction/installation. One lecture and six laboratory hours per week. Requires crew participation in UNCW University Theatre productions.

THR 246. Design for University Theatre: Level I (1) Prerequisite: THR 210. Structured involvement in theatre design preparation and implementation. Topics include rudimentary tasks in scenic, lighting, costumes, or sound design. One lecture and two laboratory hours per week.

THR 247. Design for University Theatre: Level II (2) Prerequisite THR 210. Structured involvement in theatre design preparation and implementation. Topics include intermediate tasks in scenic, lighting, costume or sound design. One lecture and four laboratory hours per week.

THR 248. Design for University Theatre: Level III (3) Prerequisite: THR 210. Structured involvement in theatre design preparation and implementation. Topics include advanced tasks in scenic, lighting, costume, or sound design. One lecture and six laboratory hours per week.

THR 250. Applied Acting Studies I (1) Encompasses basic research, rehearsal and introductory performance work on University Theatre mainstage productions. Students are chosen for the studio based upon competitive auditions held by University Theatre directors.

THR 251. Applied Acting Studies II (2) Encompasses significant research, rehearsal and substantial performance work on University Theatre mainstage productions. Students are chosen for the studio based upon competitive auditions held by University Theatre directors.

THR 252. Applied Acting Studies III (3) Encompasses intensive research, rehearsal and involvement with a major character role in a University Theatre mainstage production. Students are chosen for the studio based upon competitive auditions held by University Theatre directors.

THR 270. (ENG 270) Introduction to Film (3) Prerequisite: ENG 102 or 103. Analysis of film through cinematography, editing, composition, sound, style and narrative. Films drawn from various national cinemas, representing a diversity of styles, periods and genres. Three lecture and two screening hours each week.

THR 301. Movement for the Actor (3) Prerequisite: Theatre major or consent of instructor. Introduction to body work in acting.

THR 302. Voice for the Actor (3) Prerequisite: Theatre major or consent of instructor. intensive study of the speaking vocal instrument for stage and screen.

THR 304. Advanced Technical Production (3) Prerequisite: THR 201 or consent of instructor. Practical training in stage electrics, rigging, scenic and properties construction. Basic principles of technical direction and production management.

THR 305. Scenic Design (3) Prerequisite: THR 210. An intermediate study of set design development and presentation. Topics include script interpretation; research methods; sketching and rendering; perspective techniques; drafting floor plans, elevations, and centerline sections; and model making.

THR 306. Lighting Design (3) Prerequisite: THR 210 or consent of instructor. Basic techniques of lighting design. Includes fundamentals of lighting production techniques and equipment, and the use of color. Requires participation in University Theatre productions.

THR 307. Theatre Management (3) Focuses on various aspects of management: production management; stage management; business management; marketing and publicity; and house management. Requires participation in University Theatre.

THR 308. Costume Design (3) Prerequisite: THR 210. Principles of theatrical design applied to stage costume. Period play interpretation, figure drawing, color theory, and rendering techniques pursuant to developing an individual aesthetic and design style.

THR 310. Sound Design and Production (3) Basic techniques of sound design. Includes fundamentals of the use of stage sound reinforcement and computerized sound production.

THR 311. Computer Aided Drafting (3) A study of theatre drafting conventions and software related techniques. Topics include line use, dimensions, text, notation, and symbols for use in creating floor plans, elevations, shop drawings, detail drawings, pictorials, and lighting plots.

THR 312. Scene Painting I (3) Beginning exercises with materials and tools used to paint stage settings and backdrops. Demonstrations and projects in brush and non-brush techniques; layout; color mixing; and stencils. Practical projects include color blends; textures; brick and stone; interior and exterior woodwork, and marble. Requires involvement with University Theatre productions.

THR 316. (ENG 316) Playwriting I (3) Prerequisite: ENG 102. Analysis of one-act plays and their construction; the writing of an original one-act play required.

THR 321. Theatre History I (3) Theatrical contributions to dramatic literature from fifth century B.C. Classical Greece to late seventeenth century French Classicism. Emphasis on play reading and theatre production styles as related to changes in society.

THR 322. Theatre History II (3) Theatrical contributions to dramatic literature from the late seventeenth century English Restoration to World War II. Emphasis on play reading and theatre production style as related to changes in society.

THR 332. Acting II: Intermediate (4) Prerequisite: THR 231 or consent of instructor. Continuation of Acting I with increased emphasis on individual growth, creative development, and scene study and performance. Three lecture hours and two and one-half laboratory hours each week.

THR 333. Acting III: Advanced (3) Prerequisite: THR 232 or consent of instructor. Preparation for performance and individual character study for the advanced student of acting.

THR 335. Acting for the Camera (3) Prerequisites: THR 231 or 232 or permission of instructor. Explores acting techniques particular to the mediums of film and video.

THR 355. Directing I (3) Prerequisite: THR 210 or consent of the instructor. Fundamental principles of directing with emphasis on one-act productions.

THR 365. (ENG 365) Studies in Drama (3) Prerequisite: Six hours of literature at the 200 level or above; THR 321 or THR 322 and THR 461 or THR 462; or consent of the instructor. A variety of plays representing tragedy, comedy, and modern forms. Works from a variety of periods, authors, and traditions with some attention to dramatic criticism. May be repeated once under a different subtitle.

THR 410. Scene Painting II (3) Prerequisite: THR 312. A continuation of Scene Painting I. Practical projects include draperies; wallpaper pattern and stencils; metallic; and architectural details. Requires involvement with University Theatre productions.

THR 425. Aesthetics of Film (3) A study of the various forms and content of film as controlled by the film director. The theoretical aspects of film as a work of art. Two class hours and two laboratory hours each week.

THR 433. Acting IV: Period Styles of Acting (3) Prerequisites: THR 231, 232, 301, 302, and 333 and permission of instructor. Explores acting styles in various historical periods of the theatre, such as Greek, Commedia dell Arte, Shakespearean and Neo-classical.

THR 445. (ENG 445) Playwriting II (3) Prerequisite: THR 316 (ENG 316) or permission of instructor. Advanced techniques of playwriting with an emphasis on full-length plays; the writing of an original full-length play.

THR 455. Directing II (3) Prerequisite: THR 355. Advanced techniques in the direction of plays for the stage.

THR 461, 462. Seminar in Dramatic Theory (3,3) Prerequisite: Senior standing or consent of instructor. Growth and results of dramatic theory on theatre. 461: Aristotle to Romantic Period. 462: Ibsen to the present.

THR 485. Senior Project (3) Every major may choose an area in theatre for a senior project. The proposal for planning and executing a public presentation in the chosen area must be submitted to the faculty of the Department of Fine Arts for approval prior to the semester during which the project will be attempted.

THR 486. Senior Seminar (3) Prerequisite: Senior standing in theatre. A comprehensive assessment and synthesis of the student's four-year experience as a theatre major in preparation for employment or continued study. Preparation of portfolio and scenes.

THR 491. Directed Individual Study (1-3) Prerequisite: Overall GPA of at least 2.00, junior or senior standing, and consent of instructor, department chair and dean. Involves investigation under faculty supervision beyond what is offered in existing courses. For further information, consult the Directed Individual Studies section in this catalogue.

THR 495. Theatre Seminars (1-3) Consideration of special subjects not covered in regular course offerings. More than one topic may be taken for credit.

THR 498. Internship in Theatre (3 or 6) Prerequisite: Junior or Senior standing, and permission of chair. Academic training and practical field experience through a program of work and study within an agency and/or setting related to the student's principal area of interest. Faculty supervision and evaluation of all study and on-site activity. (A maximum of six credit hours may be applied toward the degree).

THR 499. Honors Work in Theatre (2-3) Prerequisite: Senior standing. Independent study for honors students.

For 292 and 492; 294 and 494 see explanation on p 151, 94.

University Studies Course Descriptions
(Student Academic Support Programs)

UNI 101. Freshman Seminar (2) A seminar course designed to integrate freshmen into the university community. Explores faculty and student roles, goals of liberal arts learning, academic ethics, and application of effective strategies for time management, study skills, critical thinking, public speaking, electronic communication, and career selection. Emphasis on the development of a mentor relationship between instructor and students.

UNI 102. Library Literacy (1) Concepts and methodology for developing library search strategies; locating, selecting, and evaluating relevant information resources. One lecture hour per week.

UNI 103. The Electronic Library (1) Concepts and methodology of electronic information. Government and commercial CD-ROM databases, remote databases and Internet resources.

Women's Studies Course Descriptions
(Interdepartmental)

WMS 210. Introduction to Women's Studies (3) An introduction to the study of women from an interdisciplinary perspective. Through readings, participation at extracurricular events, presentations, and other assignments, students will examine the status of women from a variety of historical, economic, cultural, and theoretical perspectives and trace the development of organized women's social movements. May be team taught.

WMS 495. Topical Seminar in Women's Studies (1-3) A study of a significant area in women's studies such as women's health, women and psychology, women and science, women and art, women and music, and women and film. May be repeated once under a different subtitle.

SPECIAL ACADEMIC CENTERS

CENTER FOR BUSINESS AND ECONOMICS SERVICES

The Center for Business and Economics Services in the Cameron School of Business at the University of North Carolina at Wilmington is the business research/extension division in the business school. Center staff provide research services and sponsor seminars to provide technical assistance in regional economic development and prepare individuals to develop further their managerial, technical, and personal capabilities.

CENTER FOR MARINE SCIENCE RESEARCH

The Center for Marine Science Research at the University of North Carolina at Wilmington is dedicated to interdisciplinary approaches to questions in basic marine research. The mission of the center is to promote basic and applied research in the fields of oceanography, coastal and wetland studies, marine biomedical and environmental physiology, marine biotechnology and aquaculture, and marine geology. Faculty members conducting marine science research in the Departments of Biological Sciences, Chemistry, Earth Sciences and Physics and Physical Oceanography participate in this program. Center faculty serve on regional, national and international research and policy advisory groups and thereby contribute to the development of agendas on marine research in the United States and the world. International interactions with labs in Scandinavia, Japan, Australia, Europe, the Bahamas and Caribbean oceans, and all regions of the coastal United States augment extensive programs addressing North Carolina coastal issues. By integrating these advisory functions with research programs of the highest quality, CMSR enhances the educational experience provided by the University of North Carolina at Wilmington for both undergraduate and graduate students in marine science.

The Center for Marine Science Research will occupy in August of 1999 a new facility located six miles from the main campus on the Atlantic Intracoastal Waterway. The new Marine Science Center at Myrtle Grove will have a total of 75,000 square feet of net indoor space including: group meeting facilities for up to 150 individuals; fully equipped research laboratories, classrooms, and marine science laboratories; a greenhouse with running seawater; a radioisotope laboratory; computer workrooms, cold rooms, walk-in freezers; temperature controlled rooms; autoclave and media preparation room; darkroom; chemical storage and balance rooms; fireproof vault for data storage; clean room; central analytic facility; sample processing rooms; aquarium room with running seawater; indoor storage; outdoor storage; shower/locker facilities; and outdoor facility for tanks with running sea water. A 900 foot pier with docking facilities for several coastal research vessels is already in place on the Atlantic Intracoastal Waterway. The seawater system will provide raw, filtered, and purified seawater at flow rates up to 600 liters/min; tank farm services; and aquarium room services. The location of the new center will provide easy access to regional marine environments such as: tidal marshes/mud flats/sand flats; tidal creeks; barrier islands and tidal inlets; the Atlantic Intracoastal Waterway; near shore marine environments; the Gulf Stream; hard bottom communities; sand dunes and maritime forests; and both highly developed and minimally developed estuarine environments. The center maintains 15 research vessels ranging in size from thirteen to sixty-five feet and specialized equipment including a Superphantom Remotely Operated Vehicle (ROV), an ocean environmental sample (SBE-CTD), and an extensive microscopy capability including transmission and scanning electron, inverted, phase-contract, and confocal tandem scanning.

The Center for Marine Science Research serves as host for: the NOAA sponsored National Undersea Research Center; an Extension Office for North Carolina Sea Grant; the Marine Mammal Stranding Network; the North Carolina National Estuarine Research Reserve: and UNCW's Marine Quest Program which is an extensive community outreach program for public schools and adult education.

SCIENCE AND MATHEMATICS EDUCATION CENTER

The Science and Mathematics Education Center (SMEC) at the University of North Carolina at Wilmington is a member of the University of North Carolina Mathematics and Science Education Network. The center applies the resources of UNC Wilmington to improve the teaching and learning of mathematics and science in the schools of southeastern North Carolina. The center working with faculty from the College of Arts and Sciences and the Watson School of Education, offers a wide range of professional development programs in the areas of mathematics, science and technology for inservice elementary-, middle-, and high school teachers. Through center sponsored seminars, workshops, and courses, teachers can renew licensure in science or mathematics.

Information concerning programs may be obtained by contacting the Science and Mathematics Education Center.

CENTER FOR TEACHING EXCELLENCE

The Center for Teaching Excellence at the University of North Carolina at Wilmington is dedicated to assisting the university in fulfilling its commitment to strengthening undergraduate and graduate instruction. The center recognizes that excellence in teaching is only achieved through teaching scholarship, which involves continuous scrutiny of course content and methods of instruction, knowledge of modern educational techniques and practices, and analysis of the effects of different teaching methods on student learning. Developing new courses and improving existing ones are fundamental to maintaining the integrity and vitality of the university's educational programs.

The mission of the Center for Teaching Excellence is to foster a campus-wide climate where teaching is highly valued, as well as provide leadership in the application of scholarship to teaching. The center believes that the primary responsibility for developing and improving educational programs resides with the faculty who, as teacher/scholars, possess both the knowledge of the disciplines and the skills to evaluate and implement effective instructional practices. The center encourages efforts to achieve excellence in teaching by running programs for course development and improvement, implementing new instructional technologies, and providing support services.

Examples of the center's services are:

1. assistance with course design and learning assessment,
2. specialized workshops and seminars on teaching and learning for faculty at all levels of expertise,
3. interest-based teaching circles,
4. assistance in development of instructional technology methods,
5. summer salary support for pedagogy development,
6. participation in UNC system-wide teaching development incentives,
7. publication of a newsletter, the CTE FORUM and a World Wide Web page at http://cte.uncwil.edu,
8. publication in *The Desktop Press* of volumes on teaching and learning issues and tips for faculty at UNCW,
9. publication of *Effective Teaching, the Electronic Journal of University Teaching and Learning.*

The mission of the center is specifically supportive, and participation by the faculty is entirely voluntary. The interaction between center personnel and the faculty is confidential and separate from any formal assessment process of the university.

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